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Crop Production

Agricultural Statistics Board
National Agricultural Statistics Service

United States Department of Agriculture
Washington, D.C. 20250

CONSERVED
51

RELEASED: October 10, 1986
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ORIGINAL

HIGHLIGHTS

CORN FOR GRAIN production is forecast at 8.22 billion bushels (209 million metric tons), down 7 percent from last year's record crop and down less than one percent from the September 1 forecast. The 90 percent confidence interval for this production forecast is 7.68 to 8.76 billion bushels.

SOYBEAN production is forecast at 1.99 billion bushels (54.2 million metric tons), up 1 percent from the September 1 forecast but 5 percent below last year. The 90 percent confidence interval for this production forecast is 1.87 to 2.12 billion bushels.

ALL COTTON production is forecast at 10.0 million bales, a decrease of 5 percent from September 1 and 26 percent below the 1985 crop. The 90 percent confidence interval for this production forecast is 9.1 to 11.0 million bales.

ALL ORANGE production is forecast at 201 million boxes (7.72 million metric tons), 14 percent above last season and 27 percent higher than the 1984-85 season.

ALL TOBACCO production is forecast at 1.22 billion pounds (551 thousand metric tons), down fractionally from September 1, 20 percent below last year's production and the smallest crop since 1936.

PEANUT production is forecast at 3.37 billion pounds (1.53 million metric tons), 18 percent below last year and 3 percent below the September 1 forecast.

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* NOTICE *
*
* The production forecasts for all crops included in this report (except *
* wheat, oats, barley, and rye) reflect conditions as of October 1. Data *
* collection took place between September 22 and October 3. Unusually *
* heavy rainfall and flooding occurred during most of September and con- *
* tinued into October. The States hardest hit included those on a line *
* from Texas to the Great Lakes. The full extent of the damage cannot *
* be determined at this time. Efforts to assess the damage will continue *
* and will be reflected in later reports. *
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* Included in this report: Small Grains preliminary Annual Summary, *
* Pages A-2 and A-3 (U.S.) and A-8 - A-18 (State Data). *
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For Information Call: (202) 447-2127

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SMALL GRAINS - ANNUAL SUMMARY
AREA PLANTED AND HARVESTED, UNITED STATES
(DOMESTIC UNITS)

CROP	AREA PLANTED			AREA HARVESTED		
	1984	1985	1986	1984	1985	1986
	1,000 ACRES					
OATS	12,414	13,255	14,708	8,163	8,177	6,987
BARLEY	11,957	13,156	13,033	11,231	11,603	11,985
ALL WHEAT	79,213	75,575	71,834	66,928	64,734	60,483
WINTER	63,419	57,752	53,930	51,513	47,953	43,115
DURUM	3,277	3,207	2,869	3,219	3,094	2,805
OTH SPRING	12,517	14,616	15,035	12,196	13,687	14,563
RYE	2,971	2,563	2,364	981	717	660

YIELD PER ACRE AND PRODUCTION, UNITED STATES
(DOMESTIC UNITS)

CROP AND UNIT		YIELD PER ACRE			PRODUCTION		
		1984	1985	1986	1984	1985	1986
					1,000		
OATS	BU	58.0	63.7	54.9	473,661	520,800	383,553
BARLEY	"	53.4	51.0	50.0	599,204	591,383	599,843
ALL WHEAT	"	38.8	37.5	34.3	2,594,777	2,425,105	2,076,674
WINTER	"	40.0	38.1	35.2	2,060,266	1,827,615	1,517,742
DURUM	"	32.1	36.4	33.1	103,439	112,510	92,957
OTH SPRING	"	35.3	35.4	32.0	431,072	484,980	465,975
RYE	"	33.1	28.8	27.1	32,463	20,637	17,892

APPROVED:

Richard E. Lyng

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SMALL GRAINS - ANNUAL SUMMARY
AREA PLANTED AND HARVESTED, UNITED STATES
(METRIC UNITS)

CROP	AREA PLANTED			AREA HARVESTED		
	1984	1985	1986	1984	1985	1986
	HECTARES					
OATS	5,023,820	5,364,170	5,952,180	3,303,480	3,309,150	2,827,570
BARLEY	4,838,880	5,324,100	5,274,320	4,545,070	4,695,620	4,850,210
ALL WHEAT	32,056,710	30,584,450	29,070,500	27,085,100	26,197,200	24,476,870
WINTER	25,665,040	23,371,660	21,824,930	20,846,300	19,406,100	17,448,210
DURUM	1,326,170	1,297,840	1,161,060	1,302,700	1,252,110	1,135,160
OTH SPRING	5,065,500	5,914,950	6,084,510	4,935,600	5,538,990	5,893,500
RYE	1,202,330	1,037,220	956,690	397,000	290,160	267,100

YIELD PER HECTARE AND PRODUCTION, UNITED STATES
(METRIC UNITS)

CROP	YIELD PER HECTARE			PRODUCTION		
	1984	1985	1986	1984	1985	1986
	METRIC TONS					
OATS	2.08	2.28	1.97	6,875,170	7,559,390	5,567,260
BARLEY	2.87	2.74	2.69	13,046,130	12,875,840	13,060,040
ALL WHEAT	2.61	2.52	2.31	70,618,260	66,000,540	56,517,800
WINTER	2.69	2.56	2.37	56,071,250	49,739,530	41,306,170
DURUM	2.16	2.45	2.23	2,815,150	3,062,020	2,529,870
OTH SPRING	2.38	2.38	2.15	11,731,860	13,198,990	12,681,760
RYE	2.08	1.81	1.70	824,600	524,200	454,480

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UNITED STATES CROP SUMMARY - AREA PLANTED AND HARVESTED
(DOMESTIC UNITS)

CROP	AREA PLANTED		AREA HARVESTED 1/	
	1985	1986	1985	INDICATED 1986
	1,000 ACRES			
CORN	83,348	76,646	75,134	68,971
SORGHUM	18,285	14,973	16,672	13,504
RICE	2,522.0	2,348.0	2,502.0	2,333.0
SOYBEANS 2/	63,130	61,835	61,584	59,773
PEANUTS	1,490.4	1,505.0	1,467.4	1,520.0
SUNFLOWER 2/	3,055	1,895	2,844	1,844
ALL COTTON	10,684.6	9,590.6	10,229.0	8,909.2
UPLAND	10,600.6	9,489.6	10,145.4	8,808.9
AMER-PIMA	84.0	101.0	83.6	100.3
ALL HAY			60,553	60,902
ALFALFA			25,673	26,185
ALL OTHER			34,880	34,717
DRY EDIBLE BEANS	1,575.9	1,701.0	1,486.4	1,420.5
DRY EDIBLE PEAS 3/		188.0		187.0
AUSTRIAN WINTER PEAS 3/		32.0		31.5
LENTILS 3/		170.0		167.0
TOBACCO			688.0	614.3
SUGARBEETS	1,124.5	1,238.0	1,102.5	1,214.3
SUGARCANE FOR SUGAR AND SEED			770.0	801.4
HOPS			28.1	25.0

1/ HARVESTED FOR PRINCIPAL USE OF EACH CROP, I.E., GRAIN, BEANS, NUTS, ETC.
2/ 1985 REVISED. 3/ ESTIMATES REINSTATED IN 1986.

UNITED STATES CROP SUMMARY - AREA PLANTED AND HARVESTED
(DOMESTIC UNITS)

CROP	AREA PLANTED		AREA HARVESTED	
	1985	1986 1/	1985	INDICATED 1986 1/
	1,000 ACRES			
FLAXSEED	620	695	584	669
POTATOES				
WINTER 2/	13.2	12.5	13.2	12.3
SPRING	92.0	76.7	87.0	75.6
SUMMER	117.6	102.3	113.9	100.6
FALL	1,186.3	1,056.5	1,147.0	1,035.5
TOTAL 2/	1,409.1	1,248.0	1,361.1	1,224.0
SWEETPUTATOES	110.2	98.3	105.3	95.1

1/ ESTIMATES CARRIED FORWARD FROM EARLIER FORECAST. 2/ 1986 REVISED.

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UNITED STATES CROP SUMMARY - YIELD PER ACRE AND PRODUCTION
(DOMESTIC UNITS)

CROP AND UNIT	YIELD PER ACRE		PRODUCTION		
		INDICATED		INDICATED	
	1985	1986	1985	SEP 1, 1986	OCT 1, 1986
				1,000	
CORN FOR GRAIN BU	118.0	119.2	8,865,006	8,268,141	8,220,201
SORGHUM FOR GRAIN "	66.7	65.7	1,112,571	873,374	887,469
RICE CWT 1/	5,437	5,552	136,042	127,461	129,537
SOYBEANS FOR BEANS 2/ BU	34.1	33.3	2,098,531	1,979,[illegible]3	1,991,763
PEANUTS FOR NUTS LB	2,810	2,216	4,122,787	3,466,350	3,368,950
SUNFLOWER 2/ "	1,109	1,298	3,153,020		2,393,300
ALL COTTON BALE 1/	630	539	13,432.2	10,506.4	10,005.9
UPLAND " 1/	628	535	13,277.1	10,312.4	9,812.4
AMER-PIMA " 1/	891	926	155.1	194.0	193.5
COTTONSEED TON			5,279	4,152	3,953
ALL HAY "	2.46	2.59	148,959	3/ 153,408	158,009
ALFALFA "	3.32	3.61	85,291	3/ 92,243	94,601
ALL OTHER "	1.83	1.83	63,668	3/ 61,165	63,408
DRY EDIBLE BEANS CWT 1/	1,498	1,571	22,268	25,697	22,321
DRY EDIBLE PEAS 4/" 1/		1,769			3,308
AUSTRIAN WINTER PEAS 4/ " 1/		1,429			450
LENTILS 4/ " 1/		1,203			2,009
TOBACCO LB	2,196	1,978	1,511,220	1,218,156	1,215,181
SUGARBEETS TON	20.5	20.6	22,636	25,438	25,034
SUGARCANE FOR SUGAR AND SEED "	36.6	37.8	28,213	30,255	30,255
HOPS LB	1,769	1,967	49,713	44,880	49,187
PASTURE AND RANGE FEED 5/ PCT	76	83			
APPLES, COM'L LB			7,949,000 3/	7,845,000	7,738,000
GRAPES TON			5,604.7	4,915.5	4,907.5
SWEET CHERRIES 6/ "			132.5		139.6
TART CHERRIES 6/ LB			286,200		229,100
DRIED PRUNES (CALIF) TON			139.0	95.0	95.0
PRUNES AND PLUMS (EXCL CALIF) "			50.7	46.5	46.5
PECANS LB			244,400	209,300	216,100
FILBERTS TON			24.6	7/ 17.3	17.3
CITRUS FRUITS 8/			1985-86	1986-87	1986-87
ORANGES BOX			176,410		201,050
LEMONS "			18,350		24,700

1/ YIELD IN POUNDS. 2/ 1985 REVISED. 3/ AUG 1, 1986. 4/ ESTIMATES REINSTATED IN 1986. 5/ PASTURE AND RANGE FEED CONDITION AS OF FIRST OF MONTH. THE 1975-84 AVERAGE IS 73 PERCENT. 6/ CARRIED FORWARD FROM CHERRY UTILIZATION REPORT RELEASED OCT 3, 1986. 7/ MID-AUGUST FORECAST PUBLISHED IN "FILBERT PRODUCTION" RELEASED AUGUST 25, 1986. 8/ SEASON BEGINS WITH THE BLOOM OF THE FIRST YEAR SHOWN AND ENDS WITH THE COMPLETION OF HARVEST THE FOLLOWING YEAR.

UNITED STATES CROP SUMMARY - YIELD PER ACRE AND PRODUCTION
(DOMESTIC UNITS)

CROP AND UNIT	YIELD PER ACRE		PRODUCTION	
	1985	INDICATED 1986 1/	1985	INDICATED 1986 1/
			1,000	
POTATOES				
WINTER 2/ CWT	204	243	2,691	2,991
SPRING "	264	261	22,986	19,763
SUMMER "	244	218	27,794	21,972
FALL "	308		353,638	
TOTAL "	299		407,109	
PEACHES LB			2,148,300	2,277,400
PEARS TON			746.9	710.5
APRICOTS "			131.5	69.1
NECTARINES (CALIF) "			211.0	195.0
PLUMS (CALIF) "			166.5	130.0
OLIVES (CALIF) "			96.0	100.0
PISTACHIO NUTS (CALIF) LB			27,100	70,000
ALMONDS (CALIF) "			465,000	265,000
WALNUTS (CALIF) TON			219.0	190.0

1/ ESTIMATES CARRIED FORWARD FROM EARLIER FORECAST. 2/ 1986 REVISED.

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UNITED STATES CROP SUMMARY - AREA PLANTED AND HARVESTED (METRIC UNITS)

CROP	AREA PLANTED		AREA HARVESTED 1/	
	1985	1986	1985	INDICATED 1986
	HECTARES			
CORN	33,730,100	31,017,870	30,405,980	27,911,870
SORGHUM	7,399,760	6,059,420	6,746,990	5,464,930
RICE	1,020,630	950,210	1,012,530	944,140
SOYBEANS 2/	25,548,080	25,024,010	24,922,430	24,189,540
PEANUTS	603,150	609,060	593,840	615,130
SUNFLOWER 2/	1,236,330	766,890	1,150,940	746,250
ALL COTTON	4,323,950	3,881,220	4,139,570	3,605,460
UPLAND	4,289,960	3,840,350	4,105,740	3,564,870
AMER-PIMA	33,990	40,870	33,830	40,590
ALL HAY			24,505,200	24,646,430
ALFALFA			10,389,610	10,596,810
ALL OTHER			14,115,590	14,049,620
DRY EDIBLE BEANS	637,750	688,380	601,530	574,860
DRY EDIBLE PEAS 3/		76,080		75,680
AUSTRIAN WINTER PEAS 3/		12,950		12,750
LENTILS 3/		68,800		67,580
TOBACCO			278,430	248,600
SUGARBEETS	455,070	501,010	446,170	491,420
SUGARCANE FOR SUGAR AND SEED			311,610	324,320
HOPS			11,370	10,120

1/ HARVESTED FOR PRINCIPAL USE OF EACH CROP, I.E., GRAIN, BEANS, NUTS, ETC.
2/ 1985 REVISED. 3/ ESTIMATES REINSTATED IN 1986.

UNITED STATES CROP SUMMARY - AREA PLANTED AND HARVESTED (METRIC UNITS)

CROP	AREA PLANTED		AREA HARVESTED	
	1985	1986 1/	1985	INDICATED 1986 1/
	HECTARES			
FLAXSEED	250,910	281,260	236,340	270,740
POTATOES				
WINTER 2/	5,340	5,060	5,340	4,980
SPRING	37,230	31,040	35,210	30,590
SUMMER	47,530	41,400	46,090	40,710
FALL	480,080	427,550	464,180	419,060
TOTAL 2/	570,250	505,050	550,820	495,340
SWEETPOTATOES	44,600	39,780	42,610	38,490

1/ ESTIMATES CARRIED FORWARD FROM EARLIER FORECAST. 2/ 1986 REVISED.

UNITED STATES CROP SUMMARY - YIELD PER HECTARE AND PRODUCTION (METRIC UNITS)

CROP	YIELD PER HECTARE		PRODUCTION		
		INDICATED		INDICATED	
	1985	1986	1985	SEP 1, 1986	OCT 1, 1986
	METRIC TONS				
CORN FOR GRAIN	7.41	7.48	225,161,520	210,020,460	208,802,720
SORGHUM FOR GRAIN	4.19	4.12	28,260,610	22,184,720	22,542,750
RICE	6.09	6.22	6,170,760	5,781,530	5,875,700
SOYBEANS FOR BEANS 1/	2.29	2.24	57,112,650	53,880,590	54,206,910
PEANUTS FOR NUTS	3.15	2.48	1,870,050	1,572,300	1,528,120
SUNFLOWER 1/	1.24	1.45	1,430,180		1,085,580
ALL COTTON	0.71	0.60	2,924,500	2,287,490	2,178,520
UPLAND	0.70	0.60	2,890,730	2,245,250	2,136,390
AMER-PIMA	1.00	1.04	33,770	42,240	42,130
COTTONSEED			4,789,030	3,766,630	3,586,100
ALL HAY	5.51	5.82	135,133,330	2/ 139,169,390	143,343,350
ALFALFA	7.45	8.10	77,374,690	2/ 83,681,440	85,820,580
ALL OTHER	4.09	4.09	57,758,640	2/ 55,487,950	57,522,770
DRY EDIBLE BEANS	1.68	1.76	1,010,050	1,165,590	1,012,460
DRY EDIBLE PEAS 3/		1.98			150,050
AUSTRIAN WINTER PEAS 3/		1.60			20,410
LENTILS 3/		1.35			91,130
TOBACCO	2.46	2.22	685,470	552,540	551,190
SUGARBEETS	46.03	46.21	20,535,030	23,076,970	22,710,460
SUGARCANE FOR SUGAR AND SEED	82.14	84.63	25,594,400	27,446,870	27,446,870
HOPS	1.98	2.20	22,550	20,360	22,310
APPLES, COM'L			3,605,590	2/ 3,558,410	3,509,880
GRAPES			5,084,500	4,459,270	4,452,010
SWEET CHERRIES 4/			120,200		126,640
TART CHARRIES 4/			129,820		103,920
DRIED PRUNES (CALIF)			126,100	86,180	86,180
PRUNES AND PLUMS (EXCL CALIF)			45,990	42,180	42,180
PECANS			110,860	94,940	98,020
FILBERTS			22,320	5/ 15,690	15,690
CITRUS FRUITS 6/			1985-86	1986-87	1986-87
ORANGES			6,814,770		7,721,050
LEMONS			632,310		851,850

1/ 1985 REVISED. 2/ AUG 1, 1986. 3/ ESTIMATES REINSTATED IN 1986. 4/ CARRIED FORWARD FROM CHERRY UTILIZATION REPORT RELEASED OCT 3, 1986. 5/ MID-AUGUST FORECAST PUBLISHED IN "FILBERT PRODUCTION" RELEASED AUG 25, 1986. 6/ SEASON BEGINS WITH THE BLOOM OF THE FIRST YEAR SHOWN AND ENDS WITH THE COMPLETION OF HARVEST THE FOLLOWING YEAR.

UNITED STATES CROP SUMMARY - YIELD PER HECTARE AND PRODUCTION (METRIC UNITS)

CROP	YIELD PER HECTARE		PRODUCTION	
	1985	INDICATED 1986 1/	1985	INDICATED 1986 1/
	METRIC TONS			
POTATOES				
WINTER 2/	22.86	27.24	122,060	135,670
SPRING	29.61	29.30	1,042,620	896,430
SUMMER	27.35	24.48	1,260,710	996,630
FALL	34.56		16,040,670	
TOTAL	33.52		18,466,060	
PEACHES			974,450	1,033,010
PEARS			677,580	644,550
APRICOTS			119,290	62,690
NECTARINES (CALIF)			191,420	176,900
PLUMS (CALIF)			151,050	117,930
OLIVES (CALIF)			87,090	90,720
PISTACHIO NUTS (CALIF)			12,290	31,750
ALMONDS (CALIF)			210,920	120,200
WALNUTS (CALIF)			198,670	172,370

1/ ESTIMATES CARRIED FORWARD FROM EARLIER FORECAST. 2/ 1986 REVISED.

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OATS: ACREAGE

STATE	AREA PLANTED 1/			AREA HARVESTED		
	1984	1985	1986	1984	1985	1986
	1,000 ACRES					
ALA	80	80	60	30	35	30
ARK	50	22	43	28	17	33
CALIF	320	340	360	50	45	45
COLO	130	115	90	50	55	40
GA	125	115	60	60	45	35
IDAHO	75	70	60	44	40	30
ILL	375	600	1,400	165	160	200
IND	120	180	400	80	110	90
IOWA	1,300	1,600	2,500	740	760	630
KANS	175	235	280	120	188	200
KY	25	28	35	6	9	6
MAINE	47	51	47	40	46	41
MD	18	17	19	15	15	17
MICH	370	420	330	350	390	270
MINN	1,500	1,550	1,600	1,200	1,100	850
MO	65	170	190	33	105	100
MONT	220	225	200	105	70	80
NEBR	450	550	760	320	420	360
N J	7	6	6	6	5	5
N Y	230	270	230	180	230	190
N C	125	105	100	68	62	55
N DAK	1,150	1,175	1,050	980	840	800
OHIO	250	340	260	220	310	160
OKLA	190	155	200	80	65	100
OREG	115	140	140	75	100	95
PA	300	320	290	280	300	270
S C	70	70	55	40	42	28
S DAK	1,700	1,900	1,500	1,550	1,420	1,050
TENN 2/	30			5	0	0
TEX	1,500	1,200	1,000	250	300	200
UTAH	26	26	24	13	13	12
VA	40	50	40	12	14	10
WASH	75	70	70	30	33	33
W VA	11	14	17	8	8	10
WIS	1,040	950	1,200	860	780	850
WYO	110	96	92	70	45	62
U S	12,414	13,255	14,708	8,163	8,177	6,987

1/ ESTIMATES DISCONTINUED AFTER 1984 CROP.
2/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

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OATS: YIELD AND PRODUCTION

STATE	YIELD			PRODUCTION		
	1984	1985	1986	1984	1985	1986
	BUSHELS			1,000 BUSHELS		
ALA	48.0	41.0	40.0	1,440	1,435	1,200
ARK	70.0	65.0	67.0	1,960	1,105	2,211
CALIF	69.0	67.0	70.0	3,450	3,015	3,150
COLO	55.0	53.0	55.0	2,750	2,915	2,200
GA	35.0	45.0	39.0	3,300	2,025	1,365
IDAHO	68.0	53.0	67.0	2,992	2,120	2,010
ILL	69.0	78.0	69.0	11,385	12,480	13,800
IND	62.0	69.0	71.0	4,960	7,590	6,390
IOWA	64.0	76.0	60.0	47,360	57,760	37,800
KANS	53.0	56.0	54.0	6,360	10,528	10,800
KY	42.0	45.0	42.0	252	405	252
MAINE	56.0	73.0	70.0	2,240	3,358	2,870
MD	57.0	60.0	53.0	855	900	901
MICH	62.0	67.0	63.0	21,700	26,130	17,010
MINN	65.0	70.0	47.0	78,000	77,000	39,950
MO	48.0	55.0	50.0	1,584	5,775	5,000
MONT	37.0	33.0	46.0	3,885	2,310	3,680
NEBR	49.0	61.0	59.0	15,680	25,620	21,240
N J	56.0	63.0	51.0	336	315	255
N Y	59.0	77.0	72.0	10,620	17,710	13,680
N C	58.0	42.0	40.0	3,944	2,604	2,200
N DAK	51.0	53.0	53.0	49,980	44,520	42,400
OHIO	63.0	85.0	76.0	13,860	26,350	12,160
OKLA	46.0	43.0	44.0	3,680	2,795	4,400
OREG	88.0	92.0	90.0	6,600	9,200	8,550
PA	57.0	70.0	62.0	15,960	21,000	16,740
S C	58.0	38.0	36.0	2,320	1,596	1,008
S DAK	56.0	56.0	40.0	86,800	79,520	42,000
TENN 1/	47.0			235		
TEX	35.0	50.0	42.0	8,750	15,000	8,400
UTAH	67.0	71.0	70.0	871	923	840
VA	47.0	47.0	46.0	564	658	460
WASH	68.0	65.0	65.0	2,040	2,145	2,145
W VA	51.0	61.0	50.0	408	488	500
WIS	62.0	66.0	62.0	53,320	51,480	52,700
WYO	46.0	45.0	53.0	3,220	2,025	3,286
U S	58.0	63.7	54.9	473,661	520,800	383,553

1/ ESTIMATES DISCONTINUED AFTER 1984 CROP.

BEST COPY AVAILABLE

BARLEY: ACREAGE

STATE	AREA PLANTED 1/			AREA HARVESTED		
	1984	1985	1986	1984	1985	1986
	1,000 ACRES					
ARIZ	55	67	32	53	62	29
CALIF	540	500	470	460	420	400
COLO	350	360	390	325	340	350
DEL	55	63	55	50	57	50
IDAHO	1,370	1,280	1,140	1,340	1,240	1,110
KANS	180	240	350	155	220	290
KY	40	32	25	30	26	17
MD	108	103	90	95	96	82
MICH	35	39	60	34	38	55
MINN	1,050	1,200	1,200	950	1,075	1,000
MONT	2,320	2,350	2,400	2,110	1,500	2,180
NEBR	88	145	150	78	120	135
NEV	40	40	40	37	37	37
N J	21	21	29	15	17	16
N MEX	25	18	22	20	15	16
N C	70	78	53	64	66	45
N DAK	2,950	3,500	3,600	2,900	3,350	3,450
OKLA	70	70	50	50	50	35
OREG	290	360	375	280	350	365
PA	75	75	70	70	70	65
S C	34	36	24	30	32	21
S DAK	610	780	900	595	720	830
TEX	60	70	70	40	50	35
UTAH	170	172	165	159	159	155
VA	120	130	90	96	100	72
WASH	1,000	1,200	920	980	1,180	900
W VA 2/	6			5		
WIS	55	57	95	50	53	85
WYO	170	170	168	160	160	160
U S	11,957	13,156	13,033	11,231	11,603	11,985

1/ INCLUDES AREA PLANTED IN PRECEDING FALL.
2/ ESTIMATES DISCONTINUED AFTER 1984 CROP.

BEST COPY AVAILABLE

BARLEY: YIELD AND PRODUCTION

STATE	YIELD			PRODUCTION		
	1984	1985	1986	1984	1985	1986
	BUSHELS			1,000 BUSHELS		
ARIZ	101.0	97.0	100.0	5,353	6,014	2,900
CALIF	63.0	59.0	59.0	28,980	24,780	23,600
COLO	62.0	64.0	58.0	20,150	21,760	20,300
DEL	55.0	58.0	61.0	2,750	3,306	3,050
IDAHO	66.0	58.0	61.0	88,440	71,920	67,710
KANS	43.0	44.0	36.0	6,665	9,680	10,440
KY	37.0	35.0	31.0	1,110	910	527
MD	58.0	57.0	63.0	5,510	5,472	5,166
MICH	60.0	68.0	59.0	2,040	2,584	3,245
MINN	65.0	66.0	53.0	61,750	70,950	53,000
MONT	28.0	20.0	41.0	59,080	30,000	89,380
NEBR	34.0	32.0	41.0	2,652	3,840	5,535
NEV	90.0	80.0	80.0	3,330	2,960	2,960
N J	55.0	63.0	62.0	825	1,071	992
N MEX	75.0	70.0	65.0	1,500	1,050	1,040
N C	63.0	40.0	36.0	4,032	2,640	1,620
N DAK	53.0	55.0	51.0	153,700	184,250	175,950
OKLA	41.0	38.0	36.0	2,050	1,900	1,260
OREG	62.0	55.0	55.0	17,360	19,250	20,075
PA	52.0	62.0	60.0	3,640	4,340	3,900
S C	52.0	38.0	28.0	1,560	1,216	588
S DAK	51.0	45.0	40.0	30,345	32,400	33,200
TEX	50.0	45.0	50.0	2,000	2,250	1,750
UTAH	73.0	74.0	74.0	11,607	11,766	11,470
VA	60.0	48.0	55.0	5,760	4,800	3,960
WASH	65.0	48.0	45.0	63,700	56,640	40,500
W VA 1/	53.0			265		
WIS	53.0	58.0	57.0	2,650	3,074	4,845
WYO	65.0	66.0	68.0	10,400	10,560	10,880
U S	53.4	51.0	50.0	599,204	591,383	599,843

1/ ESTIMATES DISCONTINUED AFTER 1984 CROP.

BEST COPY AVAILABLE

ALL WHEAT: ACREAGE

STATE	AREA PLANTED 1/			AREA HARVESTED		
	1984	1985	1986	1984	1985	1986
	1,000 ACRES					
ALA	480	500	340	380	400	220
ARIZ	145	114	98	142	112	96
ARK	1,500	650	850	1,400	570	780
CALIF	870	885	730	784	830	675
COLO	3,875	3,774	3,360	3,270	3,522	2,955
DEL	50	45	40	49	43	34
FLA 2/		160	120		130	100
GA	1,000	950	640	890	825	550
IDAHO	1,550	1,500	1,430	1,280	1,350	1,310
ILL	1,800	850	1,300	1,600	750	820
IND	1,170	770	900	1,050	700	700
IOWA	110	120	90	100	112	60
KANS	13,300	12,400	11,500	11,200	11,400	10,200
KY	670	430	440	500	310	270
LA	400	250	240	320	210	210
MD	147	140	160	140	133	140
MICH	900	770	750	800	750	680
MINN	2,635	2,835	3,065	2,553	2,683	2,939
MISS	770	380	250	660	300	200
MO	2,350	1,500	1,050	2,050	1,280	570
MONT	5,015	5,660	4,990	4,640	3,960	4,634
NEBR	3,200	2,600	2,300	2,250	2,300	2,000
NEV	27	27	26	24	24	23
N J	48	45	40	39	37	30
N MEX	730	730	740	460	570	460
N Y	180	155	165	170	145	155
N C	700	800	525	620	760	460
N DAK	8,820	9,350	9,320	8,660	8,870	9,130
OHIO	1,240	1,000	1,150	1,100	950	1,050
OKLA	7,700	7,800	7,400	5,300	5,500	5,200
OREG	1,200	1,140	1,090	1,115	1,065	1,015
PA	230	220	230	220	210	220
S C	400	460	325	380	430	300
S DAK	3,995	4,170	4,065	3,662	3,755	3,894
TENN	670	340	430	535	250	325
TEX	7,400	8,100	8,100	5,000	5,850	4,800
UTAH	269	274	275	231	260	263
VA	320	340	220	275	285	170
WASH	2,820	2,850	2,570	2,610	2,690	2,410
W VA	12	10	11	10	8	9
WIS	190	170	160	177	157	148
WYO	325	311	349	282	248	278
U S	79,213	75,575	71,834	66,928	64,734	60,483

1/ INCLUDES AREA PLANTED IN PRECEDING FALL.
2/ ESTIMATES BEGIN WITH 1985 CROP.

BEST COPY AVAILABLE

ALL WHEAT: YIELD AND PRODUCTION

STATE	YIELD			PRODUCTION		
	1984	1985	1986	1984	1985	1986
	BUSHELS			1,000 BUSHELS		
ALA	39.0	32.0	26.0	14,820	12,800	5,720
ARIZ	90.0	87.5	90.5	12,780	9,804	8,688
ARK	44.0	32.0	41.0	61,600	18,240	31,980
CALIF	78.9	83.0	76.3	61,840	68,860	51,525
COLO	35.2	39.6	32.6	115,020	139,302	96,430
DEL	41.0	48.0	36.0	2,009	2,064	1,224
FLA 1/		33.0	31.0		4,290	3,100
GA	35.0	31.0	28.0	31,150	25,575	15,400
IDAHO	63.6	53.4	60.2	81,400	72,030	78,920
ILL	44.0	49.0	44.0	70,400	36,750	36,080
IND	46.0	53.0	43.0	48,300	37,100	30,100
IOWA	36.0	48.0	28.0	3,600	5,376	1,680
KANS	38.5	38.0	33.0	431,200	433,200	336,600
KY	38.0	34.0	33.0	19,000	10,540	8,910
LA	41.0	34.0	35.0	13,120	7,140	7,350
MD	43.0	49.0	42.0	6,020	6,517	5,880
MICH	57.0	60.0	45.0	45,600	45,000	30,600
MINN	47.3	53.1	36.8	120,711	142,426	108,257
MISS	38.0	31.0	31.0	25,080	9,300	6,200
MO	41.0	39.0	33.0	84,050	49,920	18,810
MONT	22.6	12.7	29.5	104,655	50,240	136,850
NEBR	36.0	39.0	38.0	81,000	89,700	76,000
NEV	76.7	73.8	75.9	1,840	1,770	1,745
N J	43.0	52.0	43.0	1,677	1,924	1,290
N MEX	26.0	36.0	22.0	11,960	20,520	10,120
N Y	46.0	58.0	52.0	7,820	8,410	8,060
N C	43.0	29.0	31.0	26,660	22,040	14,260
N DAK	32.8	36.4	30.9	284,190	323,255	282,070
OHIO	44.0	62.0	46.0	48,400	58,900	48,300
OKLA	36.0	30.0	29.0	190,800	165,000	150,800
OREG	61.8	52.6	55.5	68,945	56,040	56,360
PA	38.0	48.0	44.0	8,360	10,080	9,680
S C	38.0	29.0	25.0	14,440	12,470	7,500
S DAK	34.4	29.6	28.2	126,038	111,215	109,874
TENN	40.0	32.0	33.0	21,400	8,000	10,725
TEX	30.0	32.0	25.0	150,000	187,200	120,000
UTAH	34.9	33.2	33.2	8,055	8,640	8,720
VA	45.0	37.0	41.0	12,375	10,545	6,970
WASH	61.4	47.7	48.2	160,350	128,250	116,230
W VA	40.0	43.0	44.0	400	344	396
WIS	54.5	56.1	54.3	9,640	8,800	8,040
WYO	28.6	22.3	33.2	8,072	5,528	9,230
U S	38.8	37.5	34.3	2,594,777	2,425,105	2,076,674

1/ ESTIMATES BEGIN WITH 1985 CROP.

BEST COPY AVAILABLE

WINTER WHEAT: ACREAGE

STATE	AREA PLANTED 1/			AREA HARVESTED		
	1984	1985	1986	1984	1985	1986
	1,000 ACRES					
ALA	480	500	340	380	400	220
ARIZ	63	67	49	62	66	48
ARK	1,500	650	850	1,400	570	780
CALIF	770	800	650	690	750	600
COLO	3,800	3,700	3,300	3,200	3,450	2,900
DEL	50	45	40	49	43	34
FLA 2/		160	120		130	100
GA	1,000	950	640	890	825	550
IDAHO	1,150	1,000	950	900	870	850
ILL	1,800	850	1,300	1,600	750	820
IND	1,170	770	900	1,050	700	700
IOWA	110	120	90	100	112	60
KANS	13,300	12,400	11,500	11,200	11,400	10,200
KY	670	430	440	500	310	270
LA	400	250	240	320	210	210
MD	147	140	160	140	133	140
MICH	900	770	750	800	750	680
MINN	400	350	180	360	280	130
MISS	770	380	250	660	300	200
MO	2,350	1,500	1,050	2,050	1,280	570
MONT	2,700	2,460	2,150	2,480	1,400	2,000
NEBR	3,200	2,600	2,300	2,250	2,300	2,000
NEV	9	10	10	8	9	9
N J	48	45	40	39	37	30
N MEX	730	730	740	460	570	460
N Y	180	155	165	170	145	155
N C	700	800	525	620	760	460
N DAK	620	750	520	550	450	480
OHIO	1,240	1,000	1,150	1,100	950	1,050
OKLA	7,700	7,800	7,400	5,300	5,500	5,200
OREG	1,130	1,030	970	1,050	960	900
PA	230	220	230	220	210	220
S C	400	460	325	380	430	300
S DAK	2,000	1,850	1,900	1,700	1,520	1,780
TENN	670	340	430	535	250	325
TEX	7,400	8,100	8,100	5,000	5,850	4,800
UTAH	230	230	235	195	220	225
VA	320	340	220	275	285	170
WASH	2,600	2,550	2,250	2,400	2,400	2,100
W VA	12	10	11	10	8	9
WIS	170	150	140	160	140	130
WYO	300	290	320	260	230	250
U S	63,419	57,752	53,930	51,513	47,953	43,115

1/ AREA PLANTED IN PRECEDING FALL.
2/ ESTIMATES BEGIN WITH 1985 CROP.

BEST COPY AVAILABLE

WINTER WHEAT: YIELD AND PRODUCTION

STATE	YIELD			PRODUCTION		
	1984	1985	1986	1984	1985	1986
	BUSHELS			1,000 BUSHELS		
ALA	39.0	32.0	26.0	14,820	12,800	5,720
ARIZ	90.0	90.0	94.0	5,580	5,940	4,512
ARK	44.0	32.0	41.0	61,600	18,240	31,980
CALIF	76.0	82.0	75.0	52,440	61,500	45,000
COLO	34.5	39.0	32.0	110,400	134,550	92,800
DEL	41.0	48.0	36.0	2,009	2,064	1,224
FLA 1/		33.0	31.0		4,290	3,100
GA	35.0	31.0	28.0	31,150	25,575	15,400
IDAHO	63.0	53.0	62.0	56,700	46,110	52,700
ILL	44.0	49.0	44.0	70,400	36,750	36,080
IND	46.0	53.0	43.0	48,300	37,100	30,100
IOWA	36.0	48.0	28.0	3,600	5,376	1,680
KANS	38.5	38.0	33.0	431,200	433,200	336,600
KY	38.0	34.0	33.0	19,000	10,540	8,910
LA	41.0	34.0	35.0	13,120	7,140	7,350
MD	43.0	49.0	42.0	6,020	6,517	5,880
MICH	57.0	60.0	45.0	45,600	45,000	30,600
MINN	43.0	37.0	33.0	15,480	10,360	4,290
MISS	38.0	31.0	31.0	25,080	9,300	6,200
MO	41.0	39.0	33.0	84,050	49,920	18,810
MONT	27.0	16.0	33.0	66,960	22,400	66,000
NEBR	36.0	39.0	38.0	81,000	89,700	76,000
NEV	80.0	80.0	85.0	640	720	765
N J	43.0	52.0	43.0	1,677	1,924	1,290
N MEX	26.0	36.0	22.0	11,960	20,520	10,120
N Y	46.0	58.0	52.0	7,820	8,410	8,060
N C	43.0	29.0	31.0	26,660	22,040	14,260
N DAK	40.0	35.0	29.0	22,000	15,750	13,920
OHIO	44.0	62.0	46.0	48,400	58,900	48,300
OKLA	36.0	30.0	29.0	190,800	165,000	150,800
OREG	63.0	54.0	57.0	66,150	51,840	51,300
PA	38.0	48.0	44.0	8,360	10,080	9,680
S C	38.0	29.0	25.0	14,440	12,470	7,500
S DAK	36.0	29.0	32.0	61,200	44,080	56,960
TENN	40.0	32.0	33.0	21,400	8,000	10,725
TEX	30.0	32.0	25.0	150,000	187,200	120,000
UTAH	33.0	32.0	32.0	6,435	7,040	7,200
VA	45.0	37.0	41.0	12,375	10,545	6,970
WASH	62.0	48.0	49.0	148,800	115,200	102,900
W VA	40.0	43.0	44.0	400	344	396
WIS	56.0	58.0	57.0	8,960	8,120	7,410
WYO	28.0	22.0	33.0	7,280	5,060	8,250
U S	40.0	38.1	35.2	2,060,266	1,827,615	1,517,742

1/ ESTIMATES BEGIN WITH 1985.

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DURUM WHEAT

STATE	AREA PLANTED			AREA HARVESTED		
	1984	1985	1986	1984	1985	1986
	1,000 ACRES					
ARIZ	82	47	49	80	46	48
CALIF	100	85	80	94	80	75
MINN	35	35	35	33	33	34
MONT	215	200	140	210	160	134
N DAK	2,750	2,750	2,500	2,710	2,690	2,450
S DAK	95	90	65	92	85	64
U S	3,277	3,207	2,869	3,219	3,094	2,805

STATE	YIELD			PRODUCTION		
	1984	1985	1986	1984	1985	1986
	BUSHELS			1,000 BUSHELS		
ARIZ	90.0	84.0	87.0	7,200	3,864	4,176
CALIF	100.0	92.0	87.0	9,400	7,360	6,525
MINN	47.0	52.0	38.0	1,551	1,716	1,292
MONT	17.0	9.0	25.0	3,570	1,440	3,350
N DAK	29.0	35.5	31.0	78,590	95,495	75,950
S DAK	34.0	31.0	26.0	3,128	2,635	1,664
U S	32.1	36.4	33.1	103,439	112,510	92,957

WHEAT PRODUCTION BY CLASSES, UNITED STATES 1/

YEAR	WINTER			SPRING			TOTAL
	HARD RED	SOFT RED	WHITE	HARD RED	DURUM	WHITE	
	1,000 BUSHELS						
1984	1,250,597	531,370	278,299	408,801	103,439	22,271	2,594,777
1985	1,230,075	368,417	229,123	460,205	112,510	24,775	2,425,105
1986	1,019,123	287,922	210,697	439,909	92,957	26,066	2,076,674

1/ WHEAT CLASS ESTIMATES ARE BASED ON VARIETY ACREAGE SURVEY DATA COLLECTED AT 5-YEAR INTERVALS FOR ALL WHEAT PRODUCING STATES. THE 5-YEAR VARIETAL SURVEY DATA ARE ADJUSTED ANNUALLY AS OTHER VARIETY SURVEY INFORMATION BECOMES AVAILABLE.

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OTHER SPRING WHEAT

STATE	AREA PLANTED			AREA HARVESTED		
	1984	1985	1986	1984	1985	1986
	1,000 ACRES					
COLO	75	74	60	70	72	55
IDAHO	400	500	480	380	480	460
MINN	2,200	2,450	2,850	2,160	2,370	2,775
MONT	2,100	3,000	2,700	1,950	2,400	2,500
NEV	18	17	16	16	15	14
N DAK	5,450	5,850	6,300	5,400	5,730	6,200
OREG	70	110	120	65	105	115
S DAK	1,900	2,230	2,100	1,870	2,150	2,050
UTAH	39	44	40	36	40	38
WASH	220	300	320	210	290	310
WIS	20	20	20	17	17	18
WYO	25	21	29	22	18	28
U S	12,517	14,616	15,035	12,196	13,687	14,563

STATE	YIELD			PRODUCTION		
	1984	1985	1986	1984	1985	1986
	BUSHELS			1,000 BUSHELS		
COLO	66.0	66.0	66.0	4,620	4,752	3,630
IDAHO	65.0	54.0	57.0	24,700	25,920	26,220
MINN	48.0	55.0	37.0	103,680	130,350	102,675
MONT	17.5	11.0	27.0	34,125	26,400	67,500
NEV	75.0	70.0	70.0	1,200	1,050	980
N DAK	34.0	37.0	31.0	183,600	212,010	192,200
OREG	43.0	40.0	44.0	2,795	4,200	5,060
S DAK	33.0	30.0	25.0	61,710	64,500	51,250
UTAH	45.0	40.0	40.0	1,620	1,600	1,520
WASH	55.0	45.0	43.0	11,550	13,050	13,330
WIS	40.0	40.0	35.0	680	680	630
WYO	36.0	26.0	35.0	792	468	980
U S	35.3	35.4	32.0	431,072	484,980	465,975

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RYE

STATE	AREA PLANTED 1/			AREA HARVESTED		
	1984	1985	1986	1984	1985	1986
	1,000 ACRES					
COLO	15	13	15	1	2	2
DEL	29	29	30	4	3	4
GA	430	450	425	80	90	85
ILL	85	50	45	11	8	7
IND	50	35	35	12	11	10
IOWA	30	25	20	5	6	4
KANS	75	60	64	13	12	10
KY	60	50	46	3	2	1
MD	55	45	46	7	6	9
MICH	140	135	145	21	21	23
MINN	200	145	100	175	110	50
MO	47	38	20	3	3	3
NEBR	235	175	140	58	54	45
N J	60	58	58	9	10	10
N Y	105	110	105	13	12	13
N C	160	160	160	25	35	35
N DAK	155	100	125	150	80	115
OHIO	60	40	40	5	4	5
OKLA	180	180	170	32	36	40
OREG	25	20	20	4	3	3
PA	80	70	75	17	20	18
S C	90	90	80	26	28	23
S DAK	280	130	120	270	120	115
TEX	115	150	100	15	20	10
VA	180	175	160	14	12	14
WIS	30	30	20	8	9	6
U S	2,971	2,563	2,364	981	717	660

STATE	YIELD			PRODUCTION		
	1984	1985	1986	1984	1985	1986
	BUSHELS			1,000 BUSHELS		
COLO	17.0	22.0	21.0	17	44	42
DEL	31.0	35.0	27.0	124	105	108
GA	22.0	23.0	21.0	1,760	2,070	1,785
ILL	28.0	32.0	30.0	308	256	210
IND	28.0	28.0	28.0	336	308	280
IOWA	34.0	36.0	30.0	170	216	120
KANS	24.0	25.0	21.0	312	300	210
KY	30.0	26.0	28.0	90	52	28
MD	32.0	33.0	29.0	224	198	261
MICH	28.0	31.0	31.0	588	651	713
MINN	38.0	30.0	21.0	6,650	3,300	1,050
MO	25.0	27.0	20.0	75	81	60
NEBR	24.0	23.0	23.0	1,392	1,242	1,035
N J	29.0	32.0	29.0	261	320	290
N Y	33.0	35.0	32.0	429	420	416
N C	22.0	19.0	17.0	550	665	595
N DAK	36.0	33.0	32.0	5,400	2,640	3,680
OHIO	35.0	43.0	35.0	175	172	175
OKLA	22.0	23.0	21.0	704	828	840
OREG	35.0	37.0	37.0	140	111	111
PA	34.0	37.0	35.0	578	740	630
S C	21.0	19.0	17.0	546	532	391
S DAK	40.0	37.0	36.0	10,800	4,440	4,140
TEX	16.0	20.0	19.0	240	400	190
VA	27.0	26.0	26.0	378	312	364
WIS	27.0	26.0	28.0	216	234	168
U S	33.1	28.8	27.1	32,463	20,637	17,892

1/ AREA PLANTED IN PRECEDING FALL.

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RELIABILITY OF OCTOBER 1 PRODUCTION FORECASTS

Crop production forecasts in this report are based primarily on yield surveys taken about October 1. The yield surveys include mailed reports from farmers for all crops and actual field observations and measurements for corn, soybeans, cotton, and some fruit and nut crops. Farmers provided appraisals of crop conditions and probable yield information for crops on their farms and for their localities. Objective yield surveys provided small plot observations, counts and measurements in a probability sample. These surveys are subject to sampling and non-sampling type errors that are common to all surveys. More importantly, the production forecasts are subject to change due to future weather effects and other factors that cannot be measured currently but directly affect final production.

To assist users in evaluating the reliability of production forecasts in this report, the "Root Mean Square Error," a statistical measure based on past performance, is shown below for selected crops. This is computed by expressing the deviations between the October 1 production forecasts and the final estimates as a percent of the final estimates and averaging the squared percentage deviations for the 1966-85 20-year period; the square root of this average becomes statistically the "Root Mean Square Error." Probability statements can be made concerning expected differences in the current forecasts relative to the final end of season estimates, assuming that factors affecting this year's forecast are not different from those influencing recent years.

For example, the "Root Mean Square Error" for the October 1 corn for grain production forecast is 3.8 percent. This means that chances are 2 out of 3 that the current production forecast of 8,220 million bushels will not be above or below the final estimate by more than 3.8 percent or approximately 312 million bushels. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 6.6 percent or approximately 543 million bushels.

Also shown in the table is a 10-year record for selected crops of the differences between the October 1 forecast and the final estimate. Using corn again as an example, changes between the October 1 forecast and the final estimate during the past 10 years have averaged 242 million bushels, ranging from 80 million to 538 million bushels. The October 1 forecast has been below the final estimate 8 times and above 2 times. This does not imply that the October 1 corn forecast this year is likely to understate or overstate final production. For most crops, the number of years the forecasts have been below or above the final estimates is about equally distributed.

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RELIABILITY OF OCTOBER 1 CROP PRODUCTION FORECASTS

CROP AND UNIT	ROOT MEAN SQUARE ERROR: 90% CONFIDENCE LEVEL: PERCENT	ROOT MEAN SQUARE ERROR: 90% CONFIDENCE LEVEL: PERCENT	ROOT MEAN SQUARE ERROR: 90% CONFIDENCE LEVEL: QUANT	10-YEAR RECORD OF DIFFERENCES BETWEEN FORECAST AND FINAL ESTIMATE: QUANTITY: AVG	SMALL	LARGE	NO. OF YEARS: BELOW FINAL	NO. OF YEARS: ABOVE FINAL
			MIL	MIL	MIL	MIL		
FEED GRAINS 1/ MT	2.8	4.8	12	7	1	14	8	2
CORN FOR GRAIN BU	3.8	6.6	543	242	80	538	8	2
SORGHUM FOR GRAIN BU	4.2	7.3	65	18	2	60	6	4
RICE CWT	2.6	4.5	6	3	0	6	5	5
SOYBEANS FOR BEANS BU	3.6	6.3	125	79	10	120	6	4
COTTON BALE 2/	5.5	9.5	950	364	17	1,073	6	4

1/ CORN FOR GRAIN, SORGHUM FOR GRAIN, OATS, AND BARLEY.
2/ QUANTITY IS IN THOUSANDS OF BALES.

INDEX NUMBERS OF CROP PRODUCTION
UNITED STATES, 1976-86 (1977=100)

YEAR	PRODUCTION: ALL 1/	FEED GRAINS	HAY AND FORAGE	FOOD GRAINS	SUGAR CROPS	COTTON	TOBACCO	OIL CROPS
1976	92	96	94	107	112	74	112	74
1977	100	100	100	100	100	100	100	100
1978	102	108	106	93	101	76	106	105
1979	113	116	108	108	94	102	80	129
1980	101	97	98	121	97	79	93	99
1981	117	121	106	144	107	109	108	114
1982	117	122	109	138	96	85	104	121
1983	88	67	100	117	93	55	75	91
1984	111	116	107	129	95	91	90	106
1985	116	133	106	121	97	93	79	117
1986	108	122	111	105	106	70	64	109

1/ INCLUDES SOME MISCELLANEOUS CROP PRODUCTION NOT INCLUDED IN SEPARATE GROUPS OF CROPS SHOWN.

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CORN FOR GRAIN

STATE	AREA HARVESTED		YIELD		PRODUCTION		
	1985	IND 1986	1985	IND 1986	1984	1985	IND 1986
	1,000 ACRES		BUSHELS		1,000 BUSHELS		
ALA	325	300	75.0	55.0	25,025	24,375	16,500
ARIZ 1/	21	17	105.0	115.0	3,250	2,205	1,955
ARK 1/	73	85	108.0	112.0	4,655	7,884	9,520
CALIF	320	270	145.0	145.0	51,000	46,400	39,150
COLO	745	675	139.0	135.0	91,120	103,555	91,125
CONN 2/							
DEL	175	170	109.0	70.0	16,950	19,075	11,900
FLA 1/	190	180	65.0	60.0	13,650	12,350	10,800
GA	975	730	84.0	60.0	80,770	81,900	43,800
IDAHO 1/	80	55	125.0	130.0	8,850	10,000	7,150
ILL	11,370	10,300	135.0	138.0	1,247,160	1,534,950	1,421,400
IND	6,150	5,850	123.0	127.0	705,510	756,450	742,950
IOWA	13,550	12,000	126.0	135.0	1,444,800	1,707,300	1,620,000
KANS	1,080	1,250	130.0	132.0	119,375	140,400	165,000
KY	1,560	1,570	102.0	88.0	146,000	159,120	138,160
LA 1/	205	430	114.0	120.0	9,430	23,370	51,600
MAINE 2/							
MD	640	610	110.0	68.0	69,620	70,400	41,480
MASS 2/							
MICH	2,730	2,400	105.0	102.0	220,080	286,650	244,800
MINN	6,300	5,700	115.0	120.0	689,080	724,500	684,000
MISS 1/	115	170	68.0	78.0	4,900	7,820	13,260
MO	2,480	2,400	110.0	115.0	154,400	272,800	276,000
MONT 1/	11	10	95.0	105.0	1,380	1,045	1,050
NEBR	7,450	6,850	128.0	130.0	806,200	953,600	890,500
N H 2/							
N J 1/	114	105	110.0	95.0	11,663	12,540	9,975
N MEX 1/	65	50	155.0	155.0	9,450	10,075	7,750
N Y	720	640	95.0	98.0	60,970	68,400	62,720
N C	1,625	1,360	79.0	67.0	145,800	128,375	91,120
N DAK	560	600	72.0	80.0	41,580	40,320	48,000
OHIO	4,030	3,700	127.0	128.0	460,200	511,810	473,600
OKLA 1/	58	50	106.0	110.0	5,250	6,148	5,500
OREG 1/	40	35	165.0	175.0	6,678	6,600	6,125
PA	1,380	1,340	110.0	104.0	148,500	151,800	139,360
R I 2/							
S C	520	480	88.0	43.0	34,866	45,760	20,640
S DAK	3,000	2,700	84.0	86.0	186,260	252,000	232,200
TENN	810	770	98.0	77.0	65,550	79,380	59,290
TEX	1,490	1,250	105.0	110.0	144,150	156,450	137,500
UTAH 1/	16	16	115.0	115.0	1,888	1,840	1,840
VT 2/							
VA	550	510	99.0	50.0	56,160	54,450	25,500
WASH 1/	135	120	160.0	150.0	23,250	21,600	18,000
W VA 1/	73	75	105.0	95.0	8,100	7,665	7,125
WIS	3,350	3,100	107.0	112.0	344,500	358,450	347,200
WYO 1/	53	48	98.0	97.0	6,000	5,194	4,656
U S	75,134	68,971	118.0	119.2	7,674,020	8,865,006	8,220,201

1/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.
2/ ALL ACREAGE HARVESTED IS FOR SILAGE.

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SORGHUM FOR GRAIN

STATE	AREA HARVESTED		YIELD		PRODUCTION		
	1985	IND 1986	1985	IND 1986	1984	1985	IND 1986
	1,000 ACRES		BUSHELS		1,000 BUSHELS		
ALA 1/	230	90	55.0	45.0	9,000	12,650	4,050
ARIZ 1/	16	10	81.0	87.0	1,360	1,296	870
ARK	920	505	72.0	60.0	42,480	66,240	35,700
CALIF 1/	36	26	83.0	85.0	3,936	2,988	2,210
COLO	320	280	35.0	36.0	15,910	11,200	10,080
GA 1/	138	65	48.0	30.0	4,746	6,624	1,950
ILL	470	200	77.0	90.0	19,665	36,190	18,000
IND 2/					845		
IOWA 2/					660		
KANS	4,200	4,000	69.0	70.0	216,750	289,800	280,000
KY 1/	143	65	80.0	75.0	9,200	11,440	4,875
LA	410	360	68.0	67.0	17,485	27,880	24,120
MISS	620	240	64.0	62.0	23,680	39,680	14,880
MO	1,410	1,100	83.0	81.0	91,770	117,030	89,100
NEBR	1,920	1,500	80.0	83.0	121,600	153,600	124,500
N MEX	290	220	48.0	46.0	15,400	13,920	10,120
N C 1/	62	50	52.0	28.0	3,025	3,224	1,400
OKLA	500	450	45.0	45.0	18,000	22,500	20,250
S C 1/	47	38	47.0	28.0	1,564	2,209	1,064
S DAK	375	350	40.0	46.0	18,565	15,000	16,100
TENN	465	165	80.0	60.0	20,800	37,200	9,900
TEX	4,100	3,700	59.0	59.0	209,350	241,900	218,300
VA 2/					450		
U S	16,672	13,504	66.7	65.7	866,241	1,112,571	887,469

1/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.
2/ ESTIMATES DISCONTINUED AFTER 1984 CROP.

RICE

STATE	AREA HARVESTED		YIELD		PRODUCTION		
	1985	IND 1986	1985	IND 1986	1984	1985	IND 1986
	1,000 ACRES		POUNDS		1,000 CWT		
ARK	1,050.0	1,040.0	5,200	5,200	52,900	54,600	54,080
CALIF	400.0	340.0	7,400	7,700	32,060	29,594	26,180
LA	463.0	418.0	4,370	4,550	21,932	20,256	19,019
MISS	188.0	178.0	5,350	5,500	8,265	10,058	9,790
MO 1/	72.0	68.0	4,810	4,600	3,493	3,463	3,128
TEX	329.0	289.0	5,490	6,000	20,160	18,071	17,340
U S	2,502.0	2,333.0	5,437	5,552	138,810	136,042	129,537

1/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

RICE PRODUCTION BY CLASSES, UNITED STATES

YEAR	LONG GRAIN	MEDIUM GRAIN	SHORT GRAIN	ALL
	1,000 CWT			
1984	96,029	35,304	7,477	138,810
1985	100,938	28,680	6,424	136,042
1986 1/	95,114	30,049	4,374	129,537

1/ INDICATED OCTOBER 1, 1986, RICE CLASS FORECASTS ARE BASED ON A FIVE YEAR AVERAGE OF CLASS PERCENTAGES. THE CLASS PERCENTAGES ARE ADJUSTED AS DATA BECOME AVAILABLE THROUGH THE GROWING SEASON.

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SOYBEANS FOR BEANS

STATE	AREA HARVESTED		YIELD		PRODUCTION		
	1985 1/	IND 1986	1985 1/	IND 1986	1984	1985 1/	IND 1986
	1,000 ACRES		BUSHELS		1,000 BUSHELS		
ALA	1,030	630	27.0	20.0	28,770	27,810	12,600
ARK	3,700	3,450	26.5	19.0	101,400	98,050	65,550
DEL 2/	240	230	30.0	27.0	6,000	7,200	6,210
FLA 2/	230	170	26.0	23.0	7,800	5,980	3,910
GA	1,550	850	24.0	16.0	40,000	37,200	13,600
ILL	9,000	8,950	42.5	42.0	284,130	382,500	375,900
IND	4,460	4,250	41.5	39.0	150,075	185,090	165,750
IOWA	8,150	8,600	38.0	40.0	264,600	309,700	344,000
KANS	1,410	1,760	31.0	31.0	27,825	43,710	54,560
KY	1,230	1,070	34.0	30.0	42,340	41,820	32,100
LA	2,100	1,900	21.0	23.0	66,825	44,100	43,700
MD	400	380	32.0	26.0	12,325	12,800	9,880
MICH	1,080	960	32.0	30.0	32,130	34,560	28,800
MINN	5,000	4,850	32.0	36.0	172,920	160,000	174,600
MISS	2,620	2,500	27.0	18.0	76,800	70,740	45,000
MO	5,230	5,600	34.5	34.0	108,650	180,435	190,400
NEBR	2,360	2,450	36.0	37.0	66,300	84,960	90,650
N J 2/	129	118	34.0	26.0	4,123	4,386	3,068
N C	1,700	1,600	23.0	23.0	46,540	39,100	36,800
N DAK 2/	490	490	26.0	29.0	17,020	12,740	14,210
OHIO	3,870	3,650	41.5	41.0	137,605	160,605	149,650
OKLA 2/	190	230	23.0	21.0	4,180	4,370	4,830
PA 2/	170	180	35.0	30.0	5,950	5,950	5,400
S C	1,230	900	20.0	16.0	29,800	24,600	14,400
S DAK	1,270	1,340	32.0	30.0	31,280	40,640	40,200
TENN	1,460	1,500	31.0	24.0	48,100	45,260	36,000
TEX	290	210	25.0	23.0	11,890	7,250	4,830
VA	695	635	25.0	23.0	21,535	17,375	14,605
WIS 2/	300	320	32.0	33.0	13,950	9,600	10,560
U S	61,584	59,773	34.1	33.3	1,860,863	2,098,531	1,991,763

1/ REVISED.
2/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

AREA PLANTED, SOYBEANS 1/

STATE	1985	STATE	1986
	1,000 ACRES		1,000 ACRES
ALA	1,080	MO	5,300
ARK	3,750	NEBR	2,400
DEL	245	N J	130
FLA	260	N C	1,800
GA	1,800	N DAK	500
ILL	9,100	OHIO	3,900
IND	4,500	OKLA	210
IOWA	8,200	PA	175
KANS	1,500	S C	1,290
KY	1,260	S DAK	1,280
LA	2,250	TENN	1,500
MD	410	TEX	320
MICH	1,100	VA	720
MINN	5,100	WIS	350
MISS	2,700		
		U S	63,130

1/ REVISED.

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SUNFLOWER

STATE AND VARIETAL TYPES	AREA HARVESTED		YIELD		PRODUCTION		
	1985 1/	IND 1986	1985 1/	IND 1986	1984	1985 1/	IND 1986
	1,000 ACRES		POUNDS		1,000 POUNDS		
OIL							
MINN	196	126	880		297,500	172,480	
N DAK	1,820	1,060	1,080		2,522,000	1,965,600	
S DAK	497	376	1,220		631,800	606,340	
TEX	95	38	1,300		48,100	123,500	
U S	2,608	1,600	1,100		3,499,400	2,867,920	
NON-OIL							
MINN	23	24	1,100		15,600	25,300	
N DAK	210	216	1,220		227,850	256,200	
S DAK	3	4	1,200		1,680	3,600	
U S	236	244	1,208		245,130	285,100	
ALL							
MINN	219	150	903	1,350	313,100	197,780	202,500
N DAK	2,030	1,276	1,094	1,300	2,749,850	2,221,800	1,658,800
S DAK	500	380	1,220	1,250	633,480	609,940	475,000
TEX	95	38	1,300	1,500	48,100	123,500	57,000
U S	2,844	1,844	1,109	1,298	3,744,530	3,153,020	2,393,300

1/ REVISED.

AREA PLANTED, SUNFLOWER 1/ 1985

STATE	VARIETAL TYPE		
	OIL	NON-OIL	ALL
	1,000 ACRES		
MINN	220	25	245
N DAK	1,970	220	2,190
S DAK	517	3	520
TEX	100		100
U S	2,807	248	3,055

1/ REVISED.

PEANUTS FOR NUTS

STATE	AREA HARVESTED		YIELD		PRODUCTION 1/		
	1985	IND 1986	1985	IND 1986	1984	1985	IND 1986
	1,000 ACRES		POUNDS		1,000 POUNDS		
ALA	200.0	218.0	2,950	2,000	648,550	590,000	436,000
FLA	72.0	83.0	3,000	2,700	246,400	216,000	224,100
GA	593.0	650.0	3,240	2,150	2,160,000	1,921,320	1,397,500
N MEX 2/	12.4	12.0	2,580	2,500	32,190	31,992	30,000
N C	154.0	143.0	2,935	2,900	449,500	451,990	414,700
OKLA	83.0	95.0	2,060	2,000	189,000	170,980	190,000
S C	12.0	12.0	2,850	2,000	39,150	34,200	24,000
TEX	245.0	220.0	1,725	1,800	371,295	422,625	396,000
VA	96.0	87.0	2,955	2,950	269,660	283,680	256,650
U S	1,467.4	1,520.0	2,810	2,216	4,405,745	4,122,787	3,368,950

1/ ESTIMATES COMPRISED OF QUOTA AND NON-QUOTA PEANUTS.
2/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

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COTTON

CROP AND STATE	AREA HARVESTED 1985	AREA HARVESTED IND 1986	YIELD 1985	YIELD IND 1986	PRODUCTION 1/ 1984	PRODUCTION 1/ 1985	PRODUCTION 1/ IND 1986
	1,000 ACRES		POUNDS		1,000 BALES		2/
UPLAND							
ALA	329.0	347.0	795	484	447.0	545.0	350.0
ARIZ	359.0	259.0	1,241	1,297	1,097.0	928.0	700.0
ARK	440.0	440.0	767	584	612.0	703.0	535.0
CALIF	1,320.0	1,010.0	1,132	1,046	2,913.0	3,114.0	2,200.0
FLA 3/	22.5	21.5	693	670	30.0	32.5	30.0
GA	245.0	200.0	725	432	281.0	370.0	180.0
KANS 3/	.6	1.0	320	576	.3	.4	1.2
LA	630.0	570.0	565	632	1,056.0	742.0	750.0
MISS	1,040.0	1,000.0	764	576	1,650.0	1,655.0	1,200.0
MO	150.0	160.0	653	525	187.0	204.0	175.0
N MEX	54.0	42.0	631	686	87.0	71.0	60.0
N C	87.0	79.0	646	456	120.0	117.0	75.0
OKLA	360.0	350.0	380	377	183.0	285.0	275.0
S C	122.0	113.0	708	297	170.0	180.0	70.0
TENN	335.0	315.0	600	472	337.0	419.0	310.0
TEX	4,650.0	3,900.0	404	357	3,680.0	3,910.0	2,900.0
VA 3/	1.3	1.4	443	411	1.1	1.2	1.2
U S	10,145.4	8,808.9	628	535	12,851.4	13,277.1	9,812.4
AMER-PIMA							
ARIZ	56.3	72.5	927	993	88.1	108.7	150.0
N MEX	7.9	10.0	687	696	12.4	11.3	14.5
TEX	19.4	17.8	868	782	29.9	35.1	29.0
U S	83.6	100.3	891	926	130.4	155.1	193.5
ALL							
ALA	329.0	347.0	795	484	447.0	545.0	350.0
ARIZ	415.3	331.5	1,198	1,231	1,185.1	1,036.7	850.0
ARK	440.0	440.0	767	584	612.0	703.0	535.0
CALIF	1,320.0	1,010.0	1,132	1,046	2,913.0	3,114.0	2,200.0
FLA 3/	22.5	21.5	693	670	30.0	32.5	30.0
GA	245.0	200.0	725	432	281.0	370.0	180.0
KANS 3/	.6	1.0	320	576	.3	.4	1.2
LA	630.0	570.0	565	632	1,056.0	742.0	750.0
MISS	1,040.0	1,000.0	764	576	1,650.0	1,655.0	1,200.0
MO	150.0	160.0	653	525	187.0	204.0	175.0
N MEX	61.9	52.0	638	688	99.4	82.3	74.5
N C	87.0	79.0	646	456	120.0	117.0	75.0
OKLA	360.0	350.0	380	377	183.0	285.0	275.0
S C	122.0	113.0	708	297	170.0	180.0	70.0
TENN	335.0	315.0	600	472	337.0	419.0	310.0
TEX	4,669.4	3,917.8	406	359	3,709.9	3,945.1	2,929.0
VA 3/	1.3	1.4	443	411	1.1	1.2	1.2
U S	10,229.0	8,909.2	630	539	12,981.8	13,432.2	10,005.9

1/ PRODUCTION GINNED AND TO BE GINNED.
2/ 480-LB. NET WEIGHT BALES.
3/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

COTTONSEED

STATE	PRODUCTION 1984	PRODUCTION 1985	PRODUCTION IND 1986
	1,000 TONS		
U S	5,149	5,279	3,953

BEST COPY AVAILABLE

ALL HAY

STATE	AREA HARVESTED		YIELD		PRODUCTION		
	1985	IND 1986	1985	IND 1986	1984	1985	IND 1986
	1,000 ACRES		TONS		1,000 TONS		
ALA	700	500	2.20	1.50	1,360	1,540	750
ARIZ	167	177	6.64	6.78	1,108	1,109	1,200
ARK	992	950	1.83	1.73	1,559	1,819	1,645
CALIF	1,570	1,680	5.09	5.14	7,854	7,991	8,628
COLO	1,445	1,325	2.52	2.58	3,311	3,644	3,425
CONN 1/	90	91	2.04	2.15	212	184	196
DEL 1/	22	24	2.68	2.25	56	59	54
FLA 1/	240	240	2.60	2.60	696	624	624
GA	495	420	2.50	1.50	1,320	1,238	630
IDAHO	1,320	1,380	3.09	3.31	4,743	4,080	4,562
ILL	1,160	1,100	3.51	3.33	3,880	4,072	3,664
IND	795	820	3.13	3.09	2,344	2,485	2,531
IOWA	2,150	2,360	3.32	3.62	7,850	7,133	8,551
KANS	2,710	2,600	2.58	2.71	5,899	6,999	7,040
KY	1,850	1,855	2.22	1.98	3,346	4,100	3,671
LA	320	300	2.32	2.60	816	741	779
MAINE 1/	222	220	1.90	1.94	410	421	427
MD	230	240	2.89	2.15	634	664	515
MASS 1/	121	123	2.30	2.53	300	278	311
MICH	1,750	1,770	3.26	3.57	5,285	5,705	6,311
MINN	2,725	2,950	2.94	3.16	8,440	8,003	9,320
MISS	650	550	2.00	2.00	1,292	1,300	1,100
MO	3,400	3,450	1.92	1.79	6,338	6,513	6,192
MONT	1,950	2,250	1.42	2.08	3,780	2,760	4,675
NEBR	3,300	3,150	2.05	2.13	7,695	6,755	6,705
NEV	495	540	2.63	2.55	1,346	1,302	1,377
N H 1/	88	85	2.32	2.27	201	204	193
N J 1/	118	120	2.82	2.64	317	333	317
N MEX	330	320	4.35	4.25	1,488	1,436	1,360
N Y	2,230	2,160	2.36	2.45	5,366	5,269	5,292
N C	415	410	1.80	1.40	733	746	573
N DAK	2,950	2,900	1.28	2.03	4,468	3,768	5,880
OHIO	1,450	1,500	3.17	3.10	3,795	4,600	4,650
OKLA	2,100	1,960	2.28	2.16	3,556	4,790	4,225
OREG	1,080	1,160	2.77	2.87	3,112	2,989	3,328
PA	1,990	2,000	2.66	2.72	5,082	5,302	5,440
R I 1/	10	9	2.10	2.22	23	21	20
S C	205	200	2.40	1.50	529	492	300
S DAK	3,500	4,100	1.38	2.19	8,083	4,830	8,980
TENN	1,620	1,380	1.95	1.18	2,678	3,156	1,628
TEX	3,500	3,270	2.34	2.22	5,415	8,175	7,258
UTAH	605	615	3.44	3.42	2,160	2,084	2,104
VT 1/	445	435	2.13	2.14	938	950	930
VA	1,008	1,063	1.63	1.18	1,816	1,644	1,253
WASH	800	770	3.24	3.54	2,921	2,595	2,724
W VA	610	590	2.02	1.50	1,128	1,230	884
WIS	3,600	3,680	3.09	3.73	12,770	11,120	13,716
WYO	1,030	1,110	1.66	1.87	2,195	1,706	2,071
U S	60,553	60,902	2.46	2.59	150,648	148,959	158,009

1/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

BEST COPY AVAILABLE

ALL OTHER HAY

STATE	AREA HARVESTED		YIELD		PRODUCTION		
	1985	IND 1986	1985	IND 1986	1984	1985	IND 1986
	1,000 ACRES		TONS		1,000 TONS		
ALA	700	500	2.20	1.50	1,360	1,540	750
ARIZ 1/	22	22	3.60	4.50	100	79	99
ARK	950	920	1.80	1.70	1,471	1,710	1,564
CALIF	540	600	2.40	2.50	1,224	1,296	1,500
COLO	625	600	1.50	1.60	924	938	960
CONN 1/	66	69	1.85	2.00	150	122	138
DEL 1/	15	16	2.10	1.90	30	32	30
FLA 1/	240	240	2.60	2.60	696	624	624
GA	495	420	2.50	1.50	1,320	1,238	630
IDAHO	300	320	1.70	2.00	805	510	640
ILL	360	470	2.20	2.30	840	792	1,081
IND	385	390	2.30	2.30	790	886	897
IOWA	600	750	2.20	2.60	1,250	1,320	1,950
KANS	1,700	1,600	1.80	1.90	2,635	3,060	3,040
KY	1,600	1,600	2.00	1.80	2,610	3,200	2,880
LA	305	285	2.30	2.60	787	702	741
MAINE 1/	196	196	1.80	1.85	340	353	363
MD	155	162	2.35	1.90	338	364	308
MASS 1/	91	95	2.10	2.40	216	191	228
MICH	350	370	1.90	2.30	665	665	851
MINN	900	1,000	2.20	2.30	1,980	1,980	2,300
MISS	650	550	2.00	2.00	1,292	1,300	1,100
MO	2,950	3,080	1.75	1.65	5,100	5,163	5,082
MONT	1,000	950	1.05	1.50	1,365	1,050	1,425
NEBR	1,900	1,850	1.05	1.20	2,415	1,995	2,220
NEV	260	310	1.30	1.40	406	338	434
N H 1/	68	69	2.15	2.10	148	146	145
N J 1/	75	77	2.20	2.15	150	165	166
N MEX 1/	80	80	1.70	1.70	162	136	136
N Y	1,300	1,320	2.05	2.10	2,640	2,665	2,772
N C	370	380	1.70	1.35	629	629	513
N DAK	1,450	1,350	1.15	1.60	1,755	1,668	2,160
OHIO	750	750	2.40	2.30	1,575	1,800	1,725
OKLA	1,700	1,550	1.90	1.80	2,400	3,230	2,790
OREG	630	680	1.85	2.00	1,287	1,166	1,360
PA	1,150	1,160	2.20	2.30	2,394	2,530	2,668
R I 1/	7	6	1.85	2.00	15	13	12
S C	205	200	2.40	1.50	529	492	300
S DAK	1,600	1,900	1.00	1.60	2,379	1,600	3,040
TENN	1,500	1,280	1.80	1.10	2,228	2,700	1,408
TEX	3,310	3,100	2.20	2.10	4,560	7,282	6,510
UTAH 1/	145	155	2.00	2.00	280	290	310
VT 1/	325	335	2.00	2.00	650	650	670
VA	920	970	1.50	1.10	1,552	1,380	1,067
WASH	350	340	2.40	2.70	878	840	918
W VA	500	480	1.80	1.20	848	900	576
WIS	500	530	2.40	2.70	1,430	1,200	1,431
WYO	590	640	1.25	1.40	945	738	896
U S	34,880	34,717	1.83	1.83	60,543	63,668	63,408

1/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

BEST COPY AVAILABLE

ALFALFA AND ALFALFA MIXTURES FOR HAY

STATE	AREA HARVESTED		YIELD		PRODUCTION		
	1985	IND 1986	1985	IND 1986	1984	1985	IND 1986
	1,000 ACRES		TONS		1,000 TONS		
ARIZ	145	155	7.10	7.10	1,008	1,030	1,101
ARK 1/	42	30	2.60	2.70	88	109	81
CALIF	1,030	1,080	6.50	6.50	6,630	6,695	7,128
COLO	820	725	3.30	3.40	2,387	2,706	2,465
CONN 1/	24	22	2.60	2.65	62	62	58
DEL 1/	7	8	3.90	3.00	26	27	24
IDAHO	1,020	1,060	3.50	3.70	3,938	3,570	3,922
ILL	800	630	4.10	4.10	3,040	3,280	2,583
IND	410	430	3.90	3.80	1,554	1,599	1,634
IOWA	1,550	1,610	3.75	4.10	6,600	5,813	6,601
KANS	1,010	1,000	3.90	4.00	3,264	3,939	4,000
KY	250	255	3.60	3.10	736	900	791
LA 1/	15	15	2.60	2.50	29	39	38
MAINE 1/	26	24	2.60	2.65	70	68	64
MD 1/	75	78	4.00	2.65	296	300	207
MASS 1/	30	28	2.90	2.95	84	87	83
MICH	1,400	1,400	3.60	3.90	4,620	5,040	5,460
MINN	1,825	1,950	3.30	3.60	6,460	6,023	7,020
MO	450	370	3.00	3.00	1,238	1,350	1,110
MONT	950	1,300	1.80	2.50	2,415	1,710	3,250
NEBR	1,400	1,300	3.40	3.45	5,280	4,760	4,485
NEV	235	230	4.10	4.10	940	964	943
N H 1/	20	16	2.90	3.00	53	58	48
N J 1/	43	43	3.90	3.50	167	168	151
N MEX	250	240	5.20	5.10	1,326	1,300	1,224
N Y	930	840	2.80	3.00	2,726	2,604	2,520
N C 1/	45	30	2.60	2.00	104	117	60
N DAK	1,500	1,550	1.40	2.40	2,713	2,100	3,720
OHIO	700	750	4.00	3.90	2,220	2,800	2,925
OKLA	400	410	3.90	3.50	1,156	1,560	1,435
OREG	450	480	4.05	4.10	1,825	1,823	1,968
PA	840	840	3.30	3.30	2,688	2,772	2,772
R I 1/	3	3	2.70	2.70	8	8	8
S DAK	1,900	2,200	1.70	2.70	5,704	3,230	5,940
TENN 1/	120	100	3.80	2.20	450	456	220
TEX	190	170	4.70	4.40	855	893	748
UTAH	460	460	3.90	3.90	1,880	1,794	1,794
VT 1/	120	100	2.50	2.60	288	300	260
VA 1/	88	93	3.00	2.00	264	264	186
WASH	450	430	3.90	4.20	2,043	1,755	1,806
W VA 1/	110	110	3.00	2.80	280	330	308
WIS	3,100	3,150	3.20	3.90	11,340	9,920	12,285
WYO	440	470	2.20	2.50	1,250	968	1,175
U S	25,673	26,185	3.32	3.61	90,105	85,291	94,601

1/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

LENTILS, 1986

STATE	AREA PLANTED	AREA HARVESTED	YIELD	PRODUCTION
	1,000 ACRES		POUNDS	1,000 CWT
IDAHO	40.0	40.0	1,150	460
WASH	130.0	127.0	1,220	1,549
U S	170.0	167.0	1,203	2,009

BEST COPY AVAILABLE

DRY EDIBLE BEANS 1/

CROP AND STATE	AREA HARVESTED 1985	AREA HARVESTED IND 1986	YIELD 1985	YIELD IND 1986	PRODUCTION 1984	PRODUCTION 1985	PRODUCTION IND 1986
	1,000 ACRES		POUNDS		1,000 CWT		
LARGE LIMA							
CALIF	43.0	17.0	2,120	2,200	648	912	374
BABY LIMA							
CALIF	26.0	30.0	2,460	2,400	546	640	720
OTHER							
CALIF	104.0	108.0	1,840	1,860	2,024	1,914	2,009
ALL							
CALIF	173.0	155.0	2,003	2,002	3,218	3,466	3,103
COLO	220.0	220.0	1,340	1,260	2,394	2,948	2,772
IDAHO	118.0	133.0	1,700	1,850	2,470	2,006	2,461
KANS 2/	16.0	20.0	1,700	1,650	204	272	330
MICH	410.0	250.0	1,320	1,200	4,290	5,412	3,000
MINN	62.0	61.0	1,400	1,500	700	868	915
MONT 2/	3.0	2.7	1,900	1,900	152	57	51
NEBR	146.0	205.0	1,850	1,900	3,230	2,701	3,895
N Y	33.0	30.0	900	1,250	372	297	375
N DAK	237.0	275.0	1,270	1,500	2,520	3,010	4,125
UTAH 2/	8.4	8.8	480	550	54	40	48
WASH	33.0	28.0	2,150	2,300	707	710	644
WYO	27.0	32.0	1,780	1,880	759	481	602
U S	1,486.4	1,420.3	1,498	1,571	21,070	22,268	22,321

1/ EXCLUDES BEANS GROWN FOR GARDEN SEED.
2/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

WINTER POTATOES

STATE	AREA PLANTED 1985	AREA PLANTED 1986 1/	AREA HARVESTED 1985	AREA HARVESTED 1986 1/
	1,000 ACRES			
CALIF	5.4	5.1	5.4	5.1
FLA	7.8	7.4	7.8	7.2
TOTAL	13.2	12.5	13.2	12.3

	YIELD 1985	YIELD 1986 1/	PRODUCTION 1985	PRODUCTION 1986 1/
	CWT		1,000 CWT	
CALIF	260	290	1,404	1,479
FLA	165	210	1,287	1,512
TOTAL	204	243	2,691	2,991

1/ REVISED.

DRY EDIBLE PEAS, 1986

STATE	AREA PLANTED	AREA HARVESTED	YIELD	PRODUCTION
	1,000 ACRES		POUNDS	1,000 CWT
IDAHO	70.0	70.0	1,650	1,155
WASH	118.0	117.0	1,840	2,153
U S	188.0	187.0	1,769	3,308

1/ EXCLUDES BOTH WRINKLED SEED PEAS AND AUSTRIAN WINTER PEAS.

AUSTRIAN WINTER PEAS, 1986

STATE	AREA PLANTED	AREA HARVESTED	YIELD	PRODUCTION
	1,000 ACRES		POUNDS	1,000 CWT
IDAHO	29.0	29.0	1,450	421
OREG	3.0	2.5	1,150	29
U S	32.0	31.5	1,429	450

BEST COPY AVAILABLE

HOPS

STATE	AREA HARVESTED		YIELD		PRODUCTION 1/		
	1985	IND 1986	1985	IND 1986	1984	1985	IND 1986
	1,000 ACRES		POUNDS		1,000 POUNDS		
CALIF 2/					200		
IDAHO	3.1	2.5	1,630	2,000	5,425	5,053	5,000
OREG	5.5	5.1	1,490	1,670	6,958	8,195	8,517
WASH	19.5	17.4	1,870	2,050	43,584	36,465	35,670
U S	28.1	25.0	1,769	1,967	56,167	49,713	49,187

1/ INCLUDES HOPS LOST BY FIRE(POUNDS): WASH 1984-10,000, 1985-40,000.
2/ 1985 AND 1986 DATA COMBINED WITH WASHINGTON TO AVOID DISCLOSURE OF INDIVIDUAL OPERATIONS.

PASTURE AND RANGE FEED CONDITION 1/

STATE	AVERAGE 1975-84	1985	1986	STATE	AVERAGE 1975-84	1985	1986
	PERCENT				PERCENT		
ALA	71	77	60	NEV	87	66	72
ARIZ	75	71	86	N H	85	86	94
ARK	67	74	81	N J	72	77	78
CALIF	78	77	89	N MEX	77	87	100
COLO	73	84	76	N Y	83	75	89
CONN	76	91	90	N C	73	75	64
DEL	73	79	49	N DAK	67	68	88
FLA	82	85	76	OHIO	82	65	80
GA	66	70	57	OKLA	66	81	90
IDAHO	86	71	87	OREG	87	76	74
ILL	74	82	85	PA	77	67	71
IND	79	79	80	R I	84	97	100
IOWA	76	79	92	S C	65	70	60
KANS	69	94	87	S DAK	71	57	94
KY	78	84	77	TENN	73	81	79
LA	74	81	78	TEX	62	66	83
MAINE	82	79	91	UTAH	81	80	91
MD	71	67	57	VT	84	81	90
MASS	80	89	92	VA	76	77	81
MICH	81	87	90	WASH	82	61	76
MINN	75	85	90	W VA	79	64	71
MISS	73	78	66	WIS	81	88	86
MO	68	87	84	WYO	83	49	91
MONT	76	54	82				
NEBR	73	82	89	U S	73	76	83

1/ GOOD TO EXCELLENT, 80 AND OVER; POOR TO FAIR 65-79; VERY POOR, 50-64; SEVERE DROUGHT, 35-49; EXTREME DROUGHT, UNDER 35.

BEST COPY AVAILABLE

TOBACCO

STATE	AREA HARVESTED		YIELD		PRODUCTION		
	1985	IND 1986	1985	IND 1986	1984	1985	IND 1986
	ACRES		POUNDS		1,000 POUNDS		
CONN	2,000	1,980	1,658	1,540	2,824	3,315	3,049
FLA	6,100	5,500	2,675	2,430	17,920	16,318	13,365
GA	36,000	33,000	2,280	2,070	85,500	82,080	68,310
IND	6,500	6,100	2,240	2,150	18,792	14,560	13,115
KY	186,300	159,100	2,300	2,025	530,088	428,409	322,178
MD	20,000	18,000	1,330	1,280	30,360	26,600	23,040
MASS	490	480	1,594	1,440	785	781	691
MO 1/	2,500	2,300	2,180	2,150	5,844	5,450	4,945
N C	250,700	228,000	2,220	2,040	590,026	556,522	465,120
OHIO	7,920	7,300	2,140	1,900	26,507	16,946	13,870
PA	11,500	11,000	1,904	1,850	22,370	21,900	20,350
S C	43,000	40,000	2,300	2,100	105,515	98,900	84,000
TENN	61,710	54,000	2,065	1,670	154,646	127,403	90,180
VA	43,300	39,000	2,104	1,920	115,897	91,092	74,880
W VA 1/	1,800	1,800	1,880	1,860	4,488	3,384	3,348
WIS	8,200	6,700	2,141	2,200	16,400	17,560	14,740
U S	688,020	614,260	2,196	1,978	1,727,962	1,511,220	1,215,181

1/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

SUGARBEETS 1/

STATE	AREA HARVESTED		YIELD		PRODUCTION		
	1985	IND 1986	1985	IND 1986	1984	1985	IND 1986
	1,000 ACRES		TONS		1,000 TONS		
CALIF	203.0	197.0	23.5	25.0	5,088	4,771	4,925
COLO	2.5	36.9	18.5	21.0	964	46	775
IDAHO	152.0	160.0	23.0	24.0	3,312	3,496	3,840
KANS	.0	.0	0.0	0.0	122	0	0
MICH	118.0	125.0	19.7	19.0	2,117	2,325	2,375
MINN	276.0	312.0	18.4	17.5	4,340	5,088	5,460
MONT	42.7	47.1	19.0	20.5	416	811	966
NEBR	53.2	59.0	23.1	23.0	1,480	1,229	1,357
N DAK	144.2	162.0	16.8	17.5	2,309	2,423	2,835
OHIO	12.7	15.0	20.3	20.0	201	258	300
OREG	11.8	12.8	27.0	28.5	307	319	365
TEX	37.0	37.0	22.5	23.0	824	833	851
WYO	49.4	50.5	21.0	19.5	654	1,037	985
U S	1,102.5	1,214.3	20.5	20.6	22,134	22,636	25,034

1/ RELATES TO YEAR OF INTENDED HARVEST EXCEPT FOR OVERWINTERED SPRING PLANTED BEETS IN CALIF.

SUGARCANE FOR SUGAR AND SEED

STATE	AREA HARVESTED		YIELD		PRODUCTION		
	1985	IND 1986	1985	IND 1986	1984	1985	IND 1986
	1,000 ACRES		TONS		1,000 TONS		
FLA	398.7	405.0	32.9	33.0	12,617	13,117	13,365
HAW	89.4	90.0	90.9	94.0	8,684	8,129	8,460
LA	250.0	275.0	24.0	27.0	5,060	6,006	7,425
TEX	31.9	31.4	30.1	32.0	979	961	1,005
U S	770.0	801.4	36.6	37.8	27,340	28,213	30,255

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CITRUS FRUIT 1/

CROP AND STATE	PRODUCTION BOXES			PRODUCTION TON EQUIVALENT		
	UTILIZED		INDICATED	UTILIZED		INDICATED
	1984-85	1985-86	1986-87	1984-85	1985-86	1986-87
	1,000 UNITS 2/			1,000 UNITS		
ORANGES, EARLY MID & NAVEL 3/						
ARIZ	650	600	700	25	23	26
CALIF	26,200	33,500	40,000	982	1,249	1,500
FLA	55,000	64,200	72,000	2,475	2,889	3,240
TEX 4/	0	200	500	0	9	21
U S	81,850	98,300	113,200	3,482	4,170	4,787
ORANGES, VALENCIA						
ARIZ	1,800	1,700	1,500	68	64	56
CALIF	26,200	21,500	29,000	983	807	1,088
FLA	48,900	54,800	57,000	2,201	2,466	2,565
TEX 4/	0	110	350	0	5	15
U S	76,900	78,110	87,850	3,252	3,342	3,724
ALL ORANGES						
ARIZ	2,450	2,300	2,200	93	87	82
CALIF	52,400	54,800	69,000	1,965	2,056	2,588
FLA	103,900	119,000	129,000	4,676	5,355	5,805
TEX 4/	0	310	850	0	14	36
U S	158,750	173,410	201,050	6,734	7,512	8,511
TEMPLES						
FLA	3,250	2,950	3,600	146	133	162
GRAPEFRUIT, WHITE SEEDLESS						
FLA	24,800	25,600	27,000	1,054	1,088	1,148
GRAPEFRUIT, COLORED SEEDLESS						
FLA	16,300	18,000	19,500	693	765	829
OTHER GRAPEFRUIT						
FLA	2,900	3,150	3,500	123	134	149
ALL GRAPEFRUIT						
ARIZ	3,000	2,400	2,100	96	77	67
CALIF 5/						
DESERT	3,800	3,600	3,600	121	115	122
OTHER AREAS	5,000	4,800		168	161	
TOTAL	8,800	8,400		289	276	
FLA	44,000	46,750	50,000	1,870	1,987	2,126
TEX 4/	0	220	2,100	0	9	84
U S	55,800	57,770		2,255	2,349	
TANGERINES						
ARIZ	700	700	850	26	26	32
CALIF	1,680	1,800	1,900	63	68	71
FLA	1,050	1,150	1,500	50	55	71
U S	3,430	3,650	4,250	139	149	174
LEMONS						
ARIZ	6,000	3,250	5,700	228	123	217
CALIF	19,800	15,100	19,000	752	574	722
U S	25,800	18,350	24,700	980	697	939
TANGELOS						
FLA	3,600	2,950	4,000	162	133	180

1/ THE CROP YEAR BEGINS WITH THE BLOOM OF THE FIRST YEAR SHOWN AND ENDS WITH YEAR HARVEST IS COMPLETED.
2/ NET LBS PER BOX: ORANGES-CALIF & ARIZ-75, FLA-90, TEX-85; GRAPEFRUIT-CALIF DESERT & ARIZ-64, CALIF OTHER-67, FLA-85, TEX-80; LEMONS-76; TANGELOS & TEMPLES-90; TANGERINES- CALIF & ARIZ-75, FLA-95.
3/ NAVEL AND MISCELLANEOUS VARIETIES IN CALIFORNIA AND ARIZONA. EARLY AND MIDSEASON VARIETIES IN FLORIDA AND TEXAS, INCLUDING SMALL QUANTITIES OF TANGERINES IN TEXAS.
4/ DUE TO THE SEVERE FREEZE OF DECEMBER 1983, NO COMMERCIAL SUPPLIES WERE HARVESTED FOR THE 1984-85 TEXAS CITRUS CROPS.
5/ THE FIRST FORECAST FOR CALIF GRAPEFRUIT "OTHER AREAS" WILL BE AS OF APR 1.

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APPLES, COMMERCIAL 1/

STATE	PRODUCTION		
	TOTAL 2/		INDICATED
	1984	1985	1986
	MILLION POUNDS		
ARK 3/	8.0	16.0	10.0
CALIF	520.0	620.0	500.0
COLO	65.0	110.0	18.0
CONN	47.0	42.0	43.0
DEL 3/	24.0	19.0	21.0
GA 3/	50.0	20.0	30.0
IDAHO	135.0	131.0	110.0
ILL	90.0	106.0	92.0
IND	64.0	75.0	33.0
IOWA 3/	5.0	13.5	6.5
KANS 3/	5.0	15.0	6.5
KY 3/	18.0	17.0	5.0
MAINE	70.0	85.0	83.0
MD	80.0	80.0	85.0
MASS	97.0	89.0	95.0
MICH	770.0	1,100.0	650.0
MINN 3/	15.0	23.0	17.0
MO	40.0	62.0	32.0
N H	50.0	56.0	52.0
N J	110.0	105.0	100.0
N MEX 3/	8.0	10.0	8.0
N Y	1,020.0	1,120.0	950.0
N C	360.0	275.0	100.0
OHIO	135.0	145.0	90.0
OREG	130.0	160.0	115.0
PA	575.0	585.0	610.0
R I	5.0	4.0	5.0
S C 3/	45.0	16.0	30.0
TENN 3/	11.0	8.5	6.0
UTAH 3/	45.0	57.0	40.0
VT	41.0	49.0	48.0
VA	465.0	395.0	510.0
WASH	2,950.0	2,050.0	2,950.0
W VA	225.0	230.0	230.0
WIS	53.0	60.0	57.0
U S	8,331.0	7,949.0	7,738.0

1/ IN ORCHARDS OF 100 OR MORE BEARING AGE TREES.
2/ INCLUDES UNHARVESTED PRODUCTION AND HARVESTED NOT SOLD (MILLION POUNDS): UNITED STATES 1984-14.9,1985-87.7.
3/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

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GRAPES

CROP AND STATE	PRODUCTION		
	TOTAL 1/		
	1984	1985	1986
	TONS		
TABLE TYPE			
CALIF	475,000	580,000	550,000
WINE TYPE			
CALIF	1,900,000	2,140,000	2,000,000
RAISIN TYPE 2/ 3/			
CALIF	2,295,000	2,483,000	1,900,000
ALL			
ARIZ 4/	14,000	18,500	24,000
ARK 4/	9,000	8,000	6,000
CALIF	4,670,000	5,203,000	4,450,000
GA 4/	2,700	2,100	2,000
MICH	49,000	51,000	35,000
MO 4/	3,100	900	2,300
N Y	198,000	146,000	165,000
N C 4/	5,900	1,500	2,500
OHIO 4/	11,200	7,000	10,000
PA	60,000	50,000	55,000
S C 4/	2,500	600	700
WASH	168,500	116,100	155,000
U S	5,193,900	5,604,700	4,907,500

1/ INCLUDES UNHARVESTED PRODUCTION AND HARVESTED NOT SOLD (TONS): U S 1984-25,500; 1985-100.
2/ FRESH BASIS.
3/ EXCLUDES PRODUCTION FROM APPROXIMATELY 50,000 ACRES OF THOMPSON SEEDLESS VINEYARDS IN THE VOLUNTARY RAISIN DIVERSION PROGRAM FOR 1986.
4/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

PRUNES AND PLUMS

CROP AND STATE	PRODUCTION		
	TOTAL 1/		
	1984	1985	IND 1986
	TONS		
PRUNES (DRIED BASIS)			
CALIF	148,000	139,000	95,000
PRUNES AND PLUMS			
IDAHO	7,000	4,500	5,000
MICH	12,000	11,000	11,000
OREG	15,000	25,000	22,000
WASH	18,000	10,200	8,500
TOTAL	52,000	50,700	46,500

1/ INCLUDES UNHARVESTED PRODUCTION AND HARVESTED NOT SOLD (TONS): OREG 1984-1,000; 1985-4,000.

FILBERTS

STATE	PRODUCTION		
	TOTAL		
	1984	1985	IND 1986
	TONS		
OREG	13,200	24,300	17,000
WASH 1/	200	300	300
U S	13,400	24,600	17,300

1/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

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PECANS

CROP AND STATE	PRODUCTION		
	TOTAL		IND
	1984	1985	1986
	1,000 POUNDS		
IMPROVED 1/			
ALA	9,000	9,600	12,000
ARK	1,100	1,000	1,000
FLA	2,200	1,600	3,000
GA	100,000	74,000	72,000
LA	1,500	2,000	2,500
MISS	4,000	3,500	5,000
N MEX	24,000	29,000	24,000
N C 2/	1,830	400	1,800
OKLA	2,000	1,500	2,000
S C	3,600	900	2,400
TEX	20,000	29,000	28,000
U S	169,230	152,500	153,700
NATIVE & SEEDLING			
ALA	4,000	6,400	3,000
ARK	400	700	600
FLA	2,800	1,200	2,000
GA	20,000	9,000	13,000
LA	3,500	13,000	12,500
MISS	1,500	3,000	2,500
N C 2/	1,070	600	1,200
OKLA	23,000	8,500	14,000
S C	1,900	500	1,600
TEX	5,000	40,000	12,000
U S	63,170	91,900	62,400
PECANS			
ALA	13,000	16,000	15,000
ARK	1,500	1,700	1,600
FLA	5,000	2,800	5,000
GA	120,000	83,000	85,000
LA	5,000	15,000	15,000
MISS	5,500	6,500	7,500
N MEX	24,000	29,000	24,000
N C 2/	2,900	1,000	3,000
OKLA	25,000	10,000	16,000
S C	5,500	1,400	4,000
TEX	25,000	78,000	40,000
U S	232,400	244,400	216,100

1/ BUDDED, GRAFTED, OR TOPWORKED VARIETIES.
2/ ESTIMATES FOR CURRENT YEAR CARRIED FORWARD FROM EARLIER FORECAST.

PAPAYAS - HAWAII

MONTH	AREA				FRESH PRODUCTION		
	TOTAL IN CROP		HARVESTED		1985	1986	FORECAST
	1985	1986	1985	1986			1986
	ACRES				1,000 POUNDS		
AUG	3,660	3,975	2,625	2,340	3,989	3,430	
SEP	3,555	3,970	2,345	2,380	3,722	3,150	
OCT	3,515		2,410		4,594		3,200
NOV	3,615		2,385		3,383		3,800
DEC	3,690		2,395		3,358		5,300
JAN		3,810		2,435		3,760	6,200
CUMULATIVE FRESH PRODUCTION JAN-SEP					37,915	35,055	

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OATS: Production of oats in 1986 is estimated at 384 million bushels (5.57 million metric tons), 26 percent below the 1985 crop and the smallest oat crop since 1876. The area harvested, at 6.99 million acres (2.83 million hectares), is down 15 percent from last year and the smallest amount since records began in 1866. The yield for grain averaged 54.9 bushels per acre, down 8.8 bushels from last year's record high yield of 63.7 bushels.

Seeded area totaled 14.7 million acres (5.95 million hectares) in 1986, up 11 percent from the 1985 planted acres. Oats was used as a cover crop on the Government reserve acres which accounted for the increase in planted acres. Acres abandoned and used for purposes other than grain accounted for 52 percent of the total acreage in 1986 compared with 38 percent in 1985.

Planting of the oat crop in the major producing north-central States was completed on schedule. Good moisture supplies provided an optimistic outlook for the crop early in the season, but this gave way to disappointment as crop diseases also enjoyed these warm, moist conditions. The full extent of disease losses was not realized until harvest, when yields turned out lower than expected and test weights were light. Rain also delayed harvest in this area. Yields were down substantially from last year's record high levels. Minnesota's yield, at 47 bushels, was down 23 bushels; Iowa--60 bushels--down 16; and South Dakota--40 bushels--down 16. In the southeastern States the dry weather early in the summer hurt the oat crop and their yields are all below last year.

BARLEY: Barley production in 1986 is estimated at a record high 600 million bushels (13.1 million metric tons), 1 percent more than last year's crop. Average yield per acre is 50.0 bushels, down from last year's yield of 51.0 bushels.

The area harvested for grain in 1986 totals 12.0 million acres (4.85 million hectares), up 3 percent from last year and the largest harvested acres since 1962. The increase in harvested acres from 1985 more than offset the lower yields.

Seeding of barley in the Dakotas, Minnesota, and Montana got off to a good start early in the season but then was delayed by rain for about three weeks. Good weather finally moved in and allowed seeding to be completed slightly ahead of normal. Adequate to surplus moisture conditions existed throughout the growing season and all signs pointed to a good crop. Unfortunately, these conditions also provided ideal conditions for disease development and the yields did not end up as good as expected. Harvest was hampered by rain and high humidity and harvest was completed slightly later than normal. In Washington, dry weather in the east central counties during the season lowered yield prospects. The counties on the eastern border received more rainfall, and average or above average yields were realized. In Idaho, rain slowed harvest but a good crop was produced. Montana's crop was almost three times as large as last year's drought-stricken crop; harvested acreage was up 45 percent from last year and yield more than doubled.

ALL WHEAT: Production for 1986 is estimated at 2.08 billion bushels (56.5 million metric tons), down 14 percent from the 1985 production level. Area for grain harvest is estimated at 60.5 million acres (24.5 million hectares), down 7 percent from last year. Yields averaged 34.3 bushels per acre, 3.2 bushels less than 1985 and the lowest since 1980.

WINTER WHEAT: Production for 1986 is estimated at 1.52 billion bushels (41.3 million metric tons), down 17 percent from 1985 to the lowest level in 8 years. Yields averaged 35.2 bushels per acre, 2.9 bushels less than 1985. Harvested area totaled 43.1 million acres (17.4 million hectares), down 10 percent from last year.

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Seeding of the 1986 crop trailed average progress throughout the season, mostly due to wet conditions. The crop was in mostly good condition by the end of April, except in the Southeast where dry soils held condition to fair. Stands developed rapidly during May in most areas. By June 1, heading had advanced to 82 percent in the major producing States and neared completion by month's end.

Harvest was well underway in the southern States by June 1. By early July, harvest had progressed to 68 percent completion in the major States, slightly ahead of 1985 and 20 points ahead of the 5-year average. By early August, harvest was virtually complete in all States other than the Pacific Northwest and Montana. Colorado, Michigan, and South Dakota harvests were at least 90 percent complete.

Kansas harvest was virtually complete by July 13, the earliest since 1974. Disease problems, particularly stem rust, were prevalent. Michigan's yields were reduced by fungal diseases. Oklahoma growers realized better yields than expected, despite a prolonged harvest.

OTHER SPRING WHEAT: Production for 1986 is estimated at 466 million bushels (12.7 million metric tons), 4 percent less than a year ago. Area for harvest as grain is estimated at 14.6 million acres (5.89 million hectares), up 6 percent from 1985. Yields are placed at 32.0 bushels per acre, 3.4 bushels below the record high set in 1985.

By June 1, seeding had progressed to 95 percent completion in the major producing States. This was slightly behind average progress. Later in June, heading had progressed to 33 percent, well behind last season and trailing average progress. The crop rated mostly good at that time. Mid-July saw development catch up to average progress. Harvest had started in Minnesota and South Dakota. Rains slowed harvests in Minnesota and the Dakota's during August. By month's end, harvest progress was ahead of 1985 but lagged average by 8 points.

Early seeded wheat in Montana did well; grasshoppers and aphids hurt later seeded acreages. Disease problems hurt Minnesota and the Dakotas' yield prospects greatly.

DURUM WHEAT: Production for 1986 is estimated at 93.0 million bushels (2.53 million metric tons) off 17 percent from 1985. Harvested area is placed at 2.81 million acres (1.14 million hectares), 9 percent less than a year ago. Average yield of 33.1 bushels per acre is 3.3 bushels lower than the record high set in 1985. Arizona's yield is up from last year. Montana's yield rebounded from 1985's drought-reduced levels. All other States' yields are below 1985.

Adequate to surplus moisture supplies existed throughout the growing season in most of North Dakota's durum areas. Pre-harvest yield expectations have been shattered by persistent disease problems that the moist conditions allowed to develop.

RYE: Production for 1986 is estimated at 17.9 million bushels (454 thousand metric tons), down 13 percent from 1985. Harvested area totaled 660 thousand acres (267 thousand hectares), off 8 percent from last year. Yields averaged 27.1 bushels per acre, 1.7 bushels less than 1985. Only Kentucky and Wisconsin had higher average yields than in 1985.

Drought hurt the Georgia crop. North Dakota's crop wintered well. Adequate soil moisture supplies throughout the growing season brought good yields prospects that were dashed by diseases. Harvest was virtually complete by the end of August. South Dakota's crop remained in good condition through harvest; the crop ripened slightly ahead of average.

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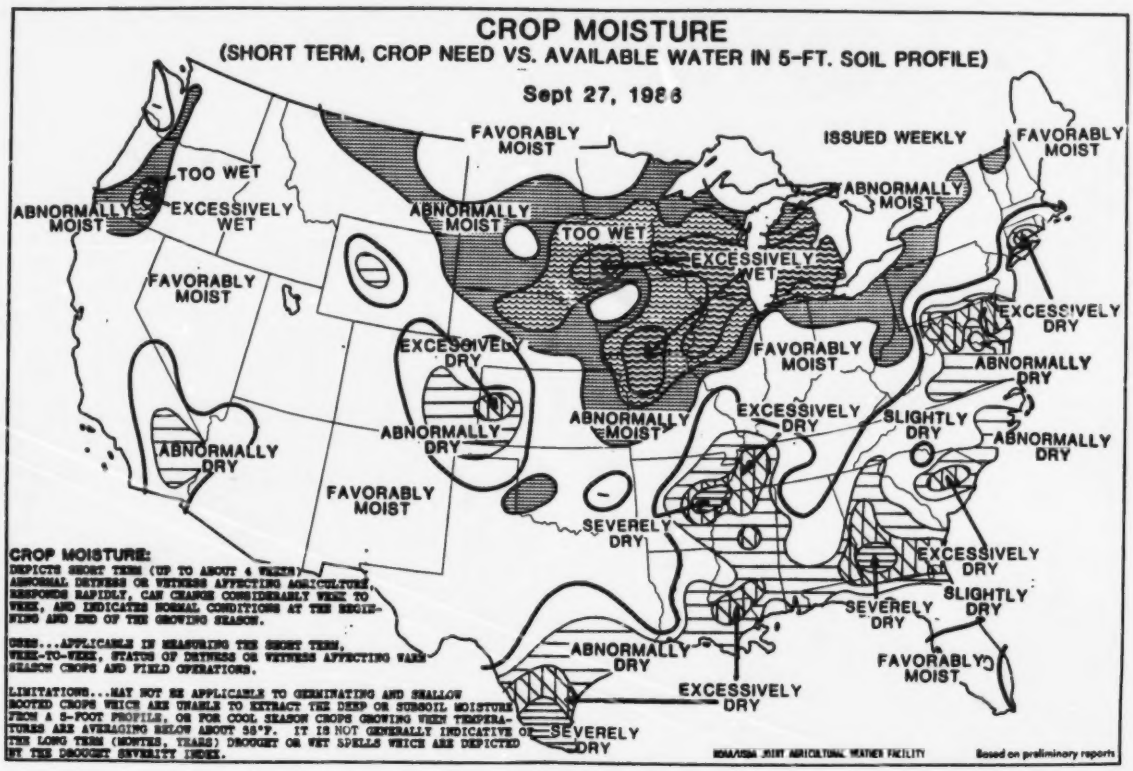
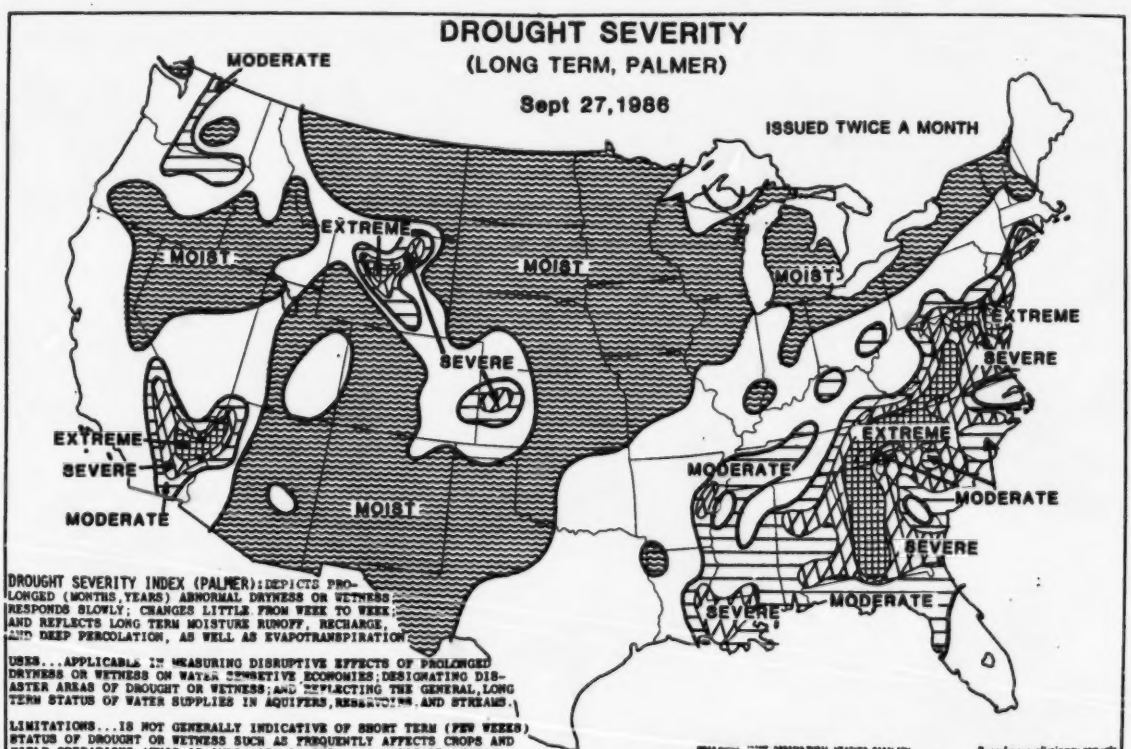

CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
Sept 27, 1986
ISSUED WEEKLY
FAVORABLY MOIST
TOO WET
ABNORMALLY MOIST
EXCESSIVELY WET
ABNORMALLY MOIST
TOO WET
EXCESSIVELY WET
FAVORABLY MOIST
EXCESSIVELY DRY
EXCESSIVELY DRY
FAVORABLY MOIST
ABNORMALLY DRY
ABNORMALLY DRY
ABNORMALLY MOIST
EXCESSIVELY DRY
SLIGHTLY DRY
ABNORMALLY DRY
ABNORMALLY DRY
FAVORABLY MOIST
SEVERELY DRY
EXCESSIVELY DRY
SLIGHTLY DRY
SEVERELY DRY
ABNORMALLY DRY
FAVORABLY MOIST
EXCESSIVELY DRY
SEVERELY DRY
CROP MOISTURE:
DEPICTS SHORT TERM (UP TO ABOUT 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE. RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK, AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
USES...APPLICABLE IN MEASURING THE SHORT TERM, WEEK-TO-WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS.
LIMITATIONS...MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 50°F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.
Based on preliminary reports


DROUGHT SEVERITY
(LONG TERM, PALMER)
Sept 27,1986
ISSUED TWICE A MONTH
MODERATE
EXTREME
MOIST
MOIST
MOIST
EXTREME
SEVERE
SEVERE
EXTREME
EXTREME
SEVERE
MODERATE
MODERATE
MOIST
MODERATE
SEVERE
SEVERE
MODERATE
DROUGHT SEVERITY INDEX (PALMER): DEPICTS PROLONGED (MONTHS, YEARS) ABNORMAL DRYNESS OR WETNESS. RESPONDS SLOWLY; CHANGES LITTLE FROM WEEK TO WEEK, AND REFLECTS LONG TERM MOISTURE RUNOFF, RECHARGE, AND DEEP PERCOLATION, AS WELL AS EVAPOTRANSPIRATION.
USES...APPLICABLE IN MEASURING DISRUPTIVE EFFECTS OF PROLONGED DRYNESS OR WETNESS ON WATER SENSITIVE ECONOMIES; DESIGNATING DISASTER AREAS OF DROUGHT OR WETNESS; AND REFLECTING THE GENERAL, LONG TERM STATUS OF WATER SUPPLIES IN AQUIFERS, RESERVOIRS, AND STREAMS.
LIMITATIONS...IS NOT GENERALLY INDICATIVE OF SHORT TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).
Based on preliminary reports

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SEPTEMBER WEATHER SUMMARY

Severe weather and heavy rain from southern Minnesota across the lower Great Lakes caused serious flooding. Wet weather continued for most of the month from the northern Great Plains eastward to the Lake Ontario region. Heavy thunderstorms early in the month also brought a variety of severe weather to much of Texas, including heavy rain. However, little rain fell in the southern tip of Texas. Above-normal rain fell across the Corn Belt and in the central and southern Appalachian Mountains. The rainy season seemed to have begun in the West when rain or snow fell in most areas west of the Rockies in the last week. In the last days of the month, a line of thunderstorms developed from Oklahoma to northern New England. Torrential rain fell in Oklahoma, Kansas, and Missouri. Average temperatures were cool in the West and northern Great Plains and warm in the South and Southeast. (Prepared by NOAA/USDA Joint Agricultural Weather Facility.)

WINTER WHEAT SEEDING

Winter wheat seeding advanced to 51 percent completion, 11 points ahead of 1985 and 9 points above the average, by September 28. Eight of the 20 major producing States were seeding wheat ahead of normal on this date. Rain hampered seeding in the Corn Belt, the northern Great Plains, and in some Rocky Mountain States the third and fourth week of September. Dryness was becoming a problem in the Southeast as the month drew to a close.

Nebraska's wheat was 85 percent seeded compared with 75 percent last year and 80 percent average. Sixty-five percent of the acreage was emerged, 15 points greater than normal. Rain aided germination and early growth.

In Oklahoma, winter wheat seeding reached 50 percent completion near the end of September. Last year at this time, 35 percent was seeded and 30 percent would have been planted normally. Emergence doubled the normal pace with 20 percent of the crop out of the ground.

Kansas wheat producers had sown 70 percent of their acreage, surpassing 1985 by 30 points and the average by 25 points. Emergence was ahead of schedule but heavy rain caused some reseeding in southern and western Kansas.

SEPTEMBER ROW CROP DEVELOPMENT

Below-normal temperatures slowed crop development across the eastern half of the Nation during most of September. Rain, early in the month, provided moisture which aided late-planted soybeans in the Delta and the Southeast. Temperatures returned to normal the last week of the month which hastened crop maturity across the eastern half of the Nation. Rain hindered harvest activities in the Corn Belt, the northern Great Plains and the Rocky Mountain States during most of September.

Corn was 81 percent mature by September 28, compared with 81 percent last year and 79 percent normally. In Minnesota and Michigan, crop maturity lagged 28 and 40 points behind normal, respectively. South Dakota's corn crop was 66 percent mature compared with 85 percent average. Maturity was 23 points below average in Wisconsin. Harvest was 14 percent finished in the 17 major producing States, slightly ahead of last year and average. Harvest lagged behind normal in some Corn Belt, northern Great Plains and Rocky Mountain States, where wetness presisted most of the month.

Sixty-seven percent of the soybean acreage had reached the leaf dropping stage, 5 points ahead of both 1985 and average at month's end. Harvest, at 8 percent completion, was 2 points below normal. Late maturity in the Southeast, and wetness in the Corn Belt and in the northern and central Plains caused harvest to lag behind normal. Harvest was 14 points behind normal in both Iowa and South Dakota. Harvest had not begun in Georgia, South Carolina, South Dakota, North Carolina, and Tennessee by September 28.

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Cotton started the month headed for early maturity but rain early in September forced new growth in the Delta. Cotton was blooming and opening bolls at the same time in some States. Bolls were opening on 60 percent of the acreage, down 10 points from last year and 6 points below normal on September 28. Bolls were opening 10, 14, and 21 points slower than normal in Oklahoma, Missouri and Texas, respectively. Harvest reached 19 percent completion, compared with 13 percent normally.

On September 28, sorghum was 68 percent mature when normally 59 percent would be mature. Despite rapid maturity, harvest did not keep pace largely because of precipitation. Harvest was 36 percent finished equaling the average. Harvest was behind normal in Missouri, Nebraska, Oklahoma, South Dakota, and Texas.

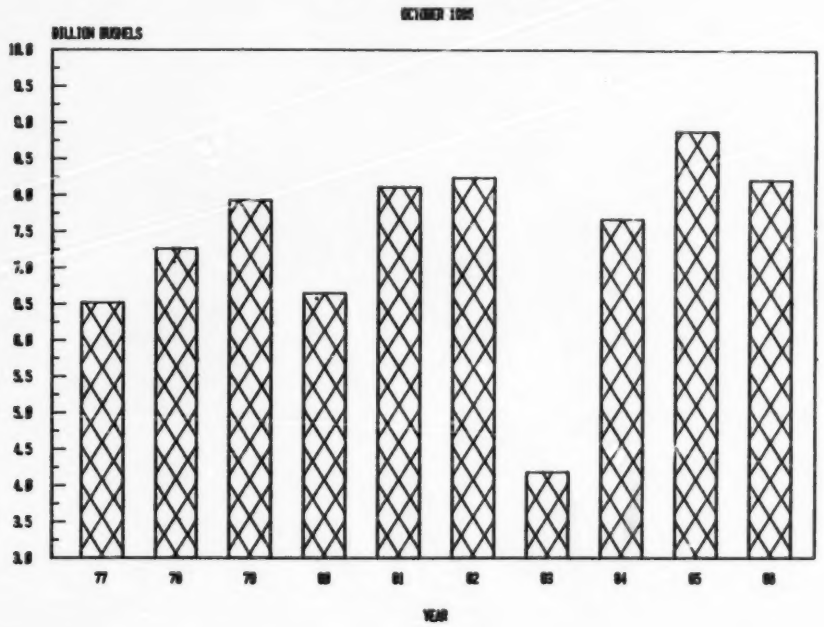
Rice was 76 percent harvested compared with 59 percent average. Harvest was finished in Texas and neared completion in Louisiana and Mississippi.

CORN FOR GRAIN: Production of corn for grain is forecast at 8.22 billion bushels (209 million metric tons), down 7 percent from last year's record crop and down less than one percent from the September 1 forecast.

The U.S. average yield per acre is forecast at a record high 119.2 bushels, up 1.2 bushels from the previous record high yield set last year. In the northern Corn Belt, the yields declined from September 1 in several States. Michigan's yield is down 6 bushels from the September 1 forecast, while Indiana, Minnesota and Wisconsin's yields are each down 2 bushels. Heavy rainfall has caused some probelms with mold, ears sprouting and stalk rot and yields will very likely be affected.

The crop progress ran ahead of normal for most of the season. However, heavy rain in September has slowed harvest and by October 5, about 18 percent of the crop was harvested in the 17 major producing States. This compares with 17 percent last year and 21 percent average. Some frost was received in the northern States but no major damage occurred since the crop maturity was ahead of normal and the crop was safe from frost. Flooding occurred in several States in September and early October due to the heavy rainfall, leaving water standing in some fields. This may reduce both quality and yield. Dry weather is needed for fields to dry out and enable growers to harvest the crop.

U.S. CORN PRODUCTION



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SORGHUM FOR GRAIN: Production is forecast at 887 million bushels (22.5 million metric tons), 20 percent less than the record high 1985 crop but 2 percent higher than September 1. Yields are expected to average 65.7 bushels per acre, up 1.0 bushel from September 1 but a bushel less than in 1985. Harvested area remains at 13.5 million acres (5.46 million hectares), down 19 percent from last year.

At the end of September, the crop was 68 percent mature in the major producing States. Harvest, at 37 percent completion, was progressing slightly ahead of last year. Rains have promoted good growth in Colorado's crop. Illinois expects a record high yield. Kansas stands have developed ahead of average; harvest was underway and progressing well until rains halted operations. The Louisiana and Mississippi harvests are nearly complete. Nebraska also expects record yields; the crop is maturing well ahead of average. Oklahoma's sorghum crop is in good condition but rains are delaying harvest. In South Dakota, crop maturity trails average because of September's cool, wet weather. Harvest is about to start in Texas' High Plains and remains active in central areas and the Edwards Plateau.

RICE: Rice production is forecast at 130 million hundredweight (5.88 million metric tons), up 2 percent from the September 1 forecast but down 5 percent from 1985. Production is 7 percent below 1984. This would be the second smallest production since 1977.

Yield per acre is expected to average a record high 5552 pounds per acre, up 89 pounds from September 1. This would be 115 pounds higher than the previous record of 5437 pounds set in 1985. Yield is up 200 pounds from September 1 in both California and Mississippi. Arkansas registered a 100 pound increase. Record yields are anticipated in California, Louisiana, Mississippi, and Texas. Arkansas' yield would tie the record set in 1985.

Near the end of September, rice harvest outpaced the average by 17 points. Harvest was 76 percent finished, 12 points above last year. Texas producers had finished first crop harvest and were awaiting second crop harvest. Harvest was nearing the end in Louisiana and Mississippi. In Arkansas, harvest was 82 percent complete compared with 52 percent normally. Harvest had just begun in California.

SOYBEANS: Production is forecast at 1.99 billion bushels (54.2 million metric tons), up 1 percent from the September 1 forecast but 5 percent below last year. Yield is forecast at 33.3 bushels per acre, up 0.2 of a bushel from September 1 but 0.8 of a bushel below the record high yield set in 1985. Soybean growing conditions were generally good through most of September. Ample moisture maintained or improved most yields. Yield increases from September 1 were recorded in Alabama, Arkansas, Kentucky, Mississippi, Ohio, and Virginia. Michigan's crop has been hurt by excessive moisture causing acreage abandonment and a 3 bushel per acre decline in yield. South Dakota with a yield of 30 bushels per acre, and Texas with a 23 bushel yield were below the September 1 forecast.

As of September 28, soybean harvest was 8 percent complete compared with 7 for last year and the average of 10 percent. Rains in most of the growing areas have been delaying harvest progress. Iowa had 1 percent of the crop harvested and was 14 percentage point behind the average.

SOYBEAN REVISIONS - 1985 CROP: The 1985 soybean production is unchanged from the previous estimate. Review of end of marketing year stock estimates, USDA administrative data, annual crushings, export data, and additional survey data in some States supported the previous estimate.

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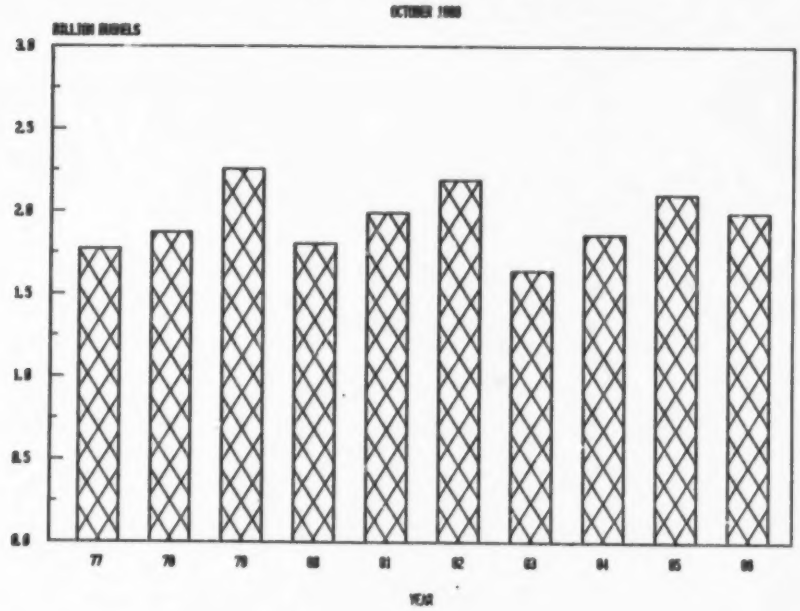
U.S. SOYBEAN PRODUCTION



PEANUTS: Production is forecast at 3.37 billion pounds (1.53 million metric tons), 18 percent below last year and 3 percent below the September 1 forecast. Area for harvest totals 1.52 million acres (615 thousand hectares), up 4 percent from last year and 2 percent from the September 1 total. Yield is expected to average 2216 pounds per acre, down 594 pounds from last year and down 115 pounds from September 1.

Production in the Southeast (Alabama, Florida, Georgia, and South Carolina) is expected to total 2.08 billion pounds, down 25 percent from last year and 7 percent from the September 1 forecast. However, harvested area at 963 thousand acres represents a 10 percent increase from the 1985 crop. Yields in the 4-State region are expected to average 2162 pounds, down 987 pounds from last year. Harvest is active in the region, but running behind last year because of late plantings and also the decision of some growers to delay harvest with the expectation of further crop development and increased yields.

The Virginia-North Carolina crop is expected to total 671 million pounds, off 9 percent from last year and unchanged from September 1. Cool weather in early September delayed maturity and, as a result, harvest is behind schedule.

The Southwest crop (New Mexico, Oklahoma and Texas) is forecast at 616 million pounds, 2 percent less than produced in 1985 but up 10 percent from the September 1 forecast. Area for harvest in the 3-State region is set at 327 thousand acres, down 4 percent from 1985 but up 10 percent from the September 1 forecast. Yield is expected to average 1884 pounds, up 46 pounds from last year. Harvest is well underway in Texas but is only 1 percent complete in Oklahoma due to heavy rains during the month.

SUNFLOWER: Production of all sunflower is forecast at 2.39 billion pounds (1.09 million metric tons), down 24 percent from 1985 and 36 percent below 1984. Area for harvest, at 1.84 million acres (746 thousand hectares), is down 35 percent from a year ago. Prospective yield, at 1298 pounds per acre, is 189 pounds above last year. Yield is forecast at 1350 pounds in Minnesota, 1300 pounds in North Dakota, 1250 pounds in South Dakota, and 1500 pounds in Texas. All 4 States are forecasting improved yields from a year earlier.

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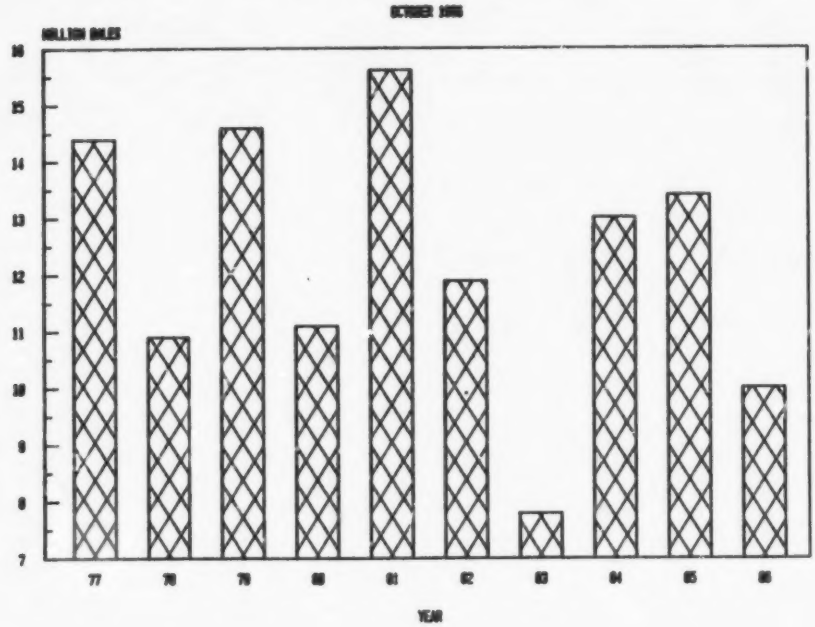
With the exception of a few late planted fields being frost damaged, the sunflower crop in the northern States has been in good condition since planting. Crop maturity was slowed by cool, rainy weather. Harvest, although late, is now getting underway. In North Dakota, bracts were yellow or brown on 87 percent of the crop on September 28, compared with 94 percent average. In South Dakota, 36 percent of the crop was mature at the end of September, compared with the average of 71 percent.

U.S. COTTON PRODUCTION



COTTON: All cotton production is forecast at 10.0 million bales, a decrease of 5 percent from September 1 and 26 percent below the 1985 crop. The Upland production forecast is for 9.81 million bales and American-Pima production is expected to total 194 thousand bales. Total area for harvest is estimated at 8.91 million acres (3.61 million hectares), down 13 percent from last year. Yields are expected to average 539 pounds per harvested acre, down 91 pounds per acre from 1985.

In Texas and Oklahoma, Upland production is forecast at 3.18 million bales, down 24 percent from last year and down 9 percent from the September 1 forecast. Heavy rains and limited sunshine has delayed normal crop progress, and has more than offset the beneficial effects from rains received in late August.

Producers in the Delta States (Arkansas, Louisiana, Mississippi, Missouri, and Tennessee) expect to harvest 2.97 million bales, 20 percent below last year and 5 percent below the September 1 forecast. Continued dry conditions have caused rapid advancement in maturity and harvest is considerably ahead of normal.

Production in the Western States (Arizona, California, and New Mexico) is expected to total 2.96 million bales of Upland cotton, down 28 percent from last year but unchanged from September 1. Boll rot and pest problems have lowered early season expectations.

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Producers in the Southeastern States (Alabama, Georgia, North Carolina, and South Carolina) expect to harvest 675 thousand bales, down 44 percent from last year's production and down 4 percent from September 1. August rains brought relief from the record drought in the area, but September turned dry with record high temperatures. Harvest is running behind last year due to difficulties in getting good defoliation.

Bureau of the Census reports 2,407,791 running bales ginned prior to October 1 compared with 2,430,799 to the same date last year and 1,174,761 bales in 1984.

COTTONSEED: Production for 1986, based on a three year average lint-seed ratio, is forecast at 3.95 million tons (3.59 million metric tons), 25 percent below the 1985 production of 5.28 million tons (4.79 million metric tons).

ALL HAY: Production of all hay is forecast at a record high 158 million tons (143 million metric tons). This is 3 percent more then expected August 1 and 6 percent more than 1985 production. Total area expected to be harvested of 60.9 million acres (24.6 million hectares) exceeds last year by 1 percent. Yields are forecast at an average of 2.59 tons per acre compared with 2.46 tons per acre a year previous.

Drought early in the season seriously limited growth and production in more eastern and southern parts of the country until mid-season. However, this was more than offset by good growing conditions to the north and west where abundant growth prevailed.

ALFALFA HAY: The production forecast of 94.6 million tons (85.8 million metric tons) is a new record high, 3 percent above the previous forecast made August 1 and 11 percent above the tonnage produced a year earlier. Area for harvest, at 26.2 million acres (10.6 million hectares), is up 2 percent from a year ago. Average yield, forecast at 3.61 tons per acre, is 0.29 of a ton above the 1985 average.

ALL OTHER HAY: Production of all other hay is forecast at 63.4 million tons (57.5 million metric tons), up 4 percent from the expectations of August 1 but down fractionally from the 1985 crop. Area for harvest, at 34.7 million acres (14.0 million hectares), is down fractionally from a year ago. Yield is expected to average 1.83 tons per acre, the same as last year.

DRY BEANS: Heavy September rains have cut the dry bean production forecast 13 percent from September 1. Production is forecast at 22.3 million cwt (1.01 million metric tons), fractionally above last year and 6 percent above two years ago. Area for harvest, at 1.42 million acres (575 thousand hectares), also dropped 13 percent from September 1, and is 4 percent below last year. The average yield is forecast at 1571 pounds per acre, 73 pounds above last year and 128 pounds above two years ago.

Michigan's dry bean crop was severely damaged by record rainfall during September. Harvest was just starting when the rain began. By October 1, only 5 percent of the crop had been harvested, about half the acreage has been abandoned, and if harvest can be resumed after several days of drying, yields in remaining fields will be reduced. It will be sometime before full extent of the damage can be determined.

Harvest is underway in New York and north central States. There have been some rain delays and harvest pace is behind normal but damage is minimal, so far. North Dakota dry beans are 35 percent harvested compared with a normal 62 percent. Minnesota harvest is 45 percent complete. Nebraska harvest is 70 percent complete, but much of the northern Panhandle crop remains to be combined.

Colorado 's southwestern counties have had rain delays. Overall, harvest is nearly 60 percent complete compared with 75 percent normally. Conditions across Idaho's Magic Valley are favorable with good yields reported. California harvest is active, with no major problems. Progress in Washington, although nearing completion, was slowed by late September rain.

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DRY PEAS AND LENTILS: Production of dry edible peas (yellow and green) in Idaho and Washington is estimated at 3.31 million cwt (150 thousand metric tons) in 1986. Harvest area is set at 187 thousand acres (75.7 thousand hectares). The average yield is estimated at 1769 pounds per acre.

Austrian winter peas in Idaho and Oregon were harvested from 31.5 thousand acres (12.8 thousand hectares), producing 450 thousand cwt (20.4 thousand metric tons).

Lentils in Idaho and Washington were produced on 167 thousand acres (67.6 thousand hectares), yielding a total of 2.01 million cwt (91.1 thousand metric tons).

****
* Estimates for dry peas and lentils were resumed starting with the *
* 1986 crop. The majority of peas and lentils are grown in Idaho *
* and Washington. Austrian winter peas are produced mainly in *
* Idaho and Oregon. *
****

WINTER POTATOES, FINAL 1986 ESTIMATES: California and Florida potatoes, harvested during the winter seasons, totaled 2.99 million cwt (136 thousand metric tons), up 11 percent from 1985. Area for harvest, at 12.3 thousand acres (4980 hectares), dropped 7 percent but higher yields, averaging 243 cwt per acre, more than compensated, leading to the higher production.

TOBACCO: Production of all tobacco is forecast at 1.22 billion pounds (551 thousand metric tons), down fractionally from the September 1 forecast, 20 percent below last year's production and is the smallest crop since 1936. The lower production from a year ago is the combined result of an 11 percent decrease in acres for harvest and lower yields. An average yield of 1978 pounds per acre is expected compared with 2196 pounds in 1985.

The North Carolina flue-cured harvest is lagging in the Old and Middle belts but about on schedule in the Eastern and border belts. Progress in harvesting burley was about average but slightly behind a year ago. All North Carolina tobacco production is expected to be 16 percent below last year.

Kentucky's growers expect to harvest 25 percent less tobacco than a year ago. As the month ended, harvest was nearing completion. The crop appears to be curing well. Overall quality is good.

Tennessee's prospective crop declined 3 percent from the September 1 forecast. Expected production is 29 percent below 1985.

South Carolina tobacco harvest was complete by the end of September. Sales were active during September with quality about steady.

Outlook for the Virginia crop improved during September. The production forecast is up 5 percent from September 1 but is 18 percent below the 1985 crop.

SUGARBEETS: Sugarbeet production is forecast at 25.0 million tons (22.7 million metric tons), down 2 percent from the September 1 forecast but up 11 percent from last year's production. The decline from September 1 primarily reflects lowered prospects in Michigan as a result of major flooding. The increase from a year ago reflects a 10 percent increase in the acreage for harvest.

The Red River Valley of North Dakota and Minnesota has been wet the past month and a half. However, harvest progress is anead of average.

California harvest was underway in all areas on October 1. Virus yellows were affecting some yields and mild temperatures reduced sugar content in some beets.

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The Idaho crop continues to progress well. Harvest has just gotten underway in most areas.

Flooding in Michigan submerged some beets. Some will not be harvested and damaged patches in low areas of other fields will reduce overall yields. Harvest is usually underway by October 1 but is not expected to begin until at least mid-month.

Nebraska harvest was scheduled to start in late September but was slowed by rain and wet fields. Digging in Wyoming was ahead of average with early digging progressing rapidly. Lower tonnage and sugar content are expected on early beets. Some disease and hail damage was also noted.

SUGARCANE: Production of sugarcane for sugar and seed is forecast at 30.3 million tons (27.4 million metric tons), unchanged from the September 1 forecast but 7 percent above the 1985 crop. Average yield is forecast at 37.8 tons per acre, 1.2 tons above a year ago. Area for harvest, at 801 thousand acres (324 thousand hectares), is 4 percent above 1985.

Florida's sugarcane crop is in good to very good condition. Cutting for seed and planting was very active during September. Harvest of cane for sugar is expected to get underway by mid-October.

Hawaii's weather for most of September was favorable for cane growth and the development of sugar. Sunshine was abundant. Temperatures climbed to the high 80's and low 90's but adequate irrigation prevented crop stress. Heavy rain temporarily slowed operations on Hawaii Island during the last week of September.

In Louisiana, planting was 92 percent complete on September 28, well ahead of the 5-year average of 65 percent. Preparations for harvest were underway.

The Texas crop benefited from numerous showers during September. Quality appears better than a year ago. Harvest is expected to begin by mid-October.

HOPS: Production is estimated at 49.2 million pounds (22.3 thousand metric tons), up 10 percent from September 1 but 1 percent less than 1985.

Yields were above the September 1 forecast in all States. The estimated U.S. average yield per acre is 1967 pounds and compares with 1769 pounds in 1985. The 25.0 thousand acres (10.1 thousand hectares) for harvest is unchanged from September 1 but 11 percent below 1985. Harvest was complete by October 1.

PASTURE AND RANGE FEED CONDITION: The pasture and range feed condition on October 1 for the 48 contiguous States was 83 percent, 7 points above October 1, 1985 and 10 points above the 1975-84 average for the date. Conditions improved during September in 33 States, declined in 12 States and were unchanged in 3 States.

Rainfall was received over much of the country throughout September and it improved pasture and range feed conditions in most States. In the eastern and southern States from Pennsylvania to Louisiana, the conditions improved in some States while declining in others. Most States in this region are still in the very poor or poor to fair range. Conditions are generally in the good to excellent range in all the remaining States, except Colorado, Nevada, Oregon, and Washington. These States are in the poor to fair range. The States showing the largest improvement from September 1 are Kentucky, Missouri, Texas, and Virginia, each up 12 points. Florida and Louisiana showed the largest decline, both down 10 points.

APPLES: The final forecast of the 1986 U.S. apple crop places production at 7.74 billion pounds (3.51 million metric tons), down 1 percent from the August 1 forecast of 7.85 billion pounds (3.56 million metric tons) and 3 percent less than last year's production.

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Eastern States expect 2.99 billion pounds, down 2 percent from Augus. 1 and 6 percent below a year ago. New York's crop is picking out below earlier expectations. Significant scab infestations are being reported throughout the State. Above normal temperatures have caused apples to ripen more rapidly than they can be picked. In Pennsylvania, good to excellent quality apples are developing about 10 days ahead of normal. Fruit are sizing and coloring well, with no major disease problems. With the Virginia crop about 60 percent picked, harvest is active and ahead of last year's pace.

Prospects in the Central States are forecast at 1.01 billion pounds, down 5 percent from the August 1 forecast and 39 percent from 1985. Apple harvest in Michigan stopped in many areas because of heavy rains that started in mid-September. The rains have caused a loss of quality. Sunny, dry weather is needed to help fruit color and sugar content, and to start harvesting again. Rains have also caused harvest problems in Missouri and Ohio.

Production in the Western States is forecast at 3.74 billion pounds, unchanged from the August 1 forecast but 19 percent above the 1985 crop. Cool nights, needed to color the fruit, began in early September in Washington. Fruit of good quality and size are being picked. There are some problems with watercore apples. Harvest is active in Califonia where large fruit are being picked. Harvest in Idaho is ahead of normal despite rainy weather. Rains have slowed picking of Colorado's short crop.

GRAPES: The final forecast of U.S. grape production is 4.91 million tons, (4.45 million metric tons), down fractionally from the September 1 forecast and 12 percent below 1985 production. Changes from September 1 forecasts included: New York, down 10.0 thousand tons; Pennsylvania, down 3.00 thousand; and Washington, up 5.00 thousand tons.

California total grape output, at 4.45 million tons, is 14 percent below 1985. Production by type, and percentage change from 1985, are as follows: table grapes, 550 thousand tons, down 5 percent; wine varieties, 2.00 million tons, off 7 percent; and raisin grapes, 1.90 million tons, down 23 percent. A large harvest of late variety table grapes is expected for fresh market. No significant rain damage was reported. Wine grape harvest made excellent progress during September despite rain showers that fell during the last week and labor strikes at several major wineries. Most of the raisins were harvested before the rain showers late in the month. Nearly 475 thousand tons of raisin type grapes, as well as over 166 thousand tons of table varieties had been crushed for wine by October 1.

The New York forecast, at 165 thousand tons, is 13 percent above last year's output. Mildew, Black Rot, and berry splitting continue to plague New York's wine vineyards. Production in Washington is expected to total 155 thousand tons, up 34 percent from 1985. Concord harvest is expected to be completed around mid-October, which is about two weeks ahead of the 1985 harvest.

Pennsylvania production is forecast at 55.0 thousand tons, up 10 percent from last year. Black rot losses have been noted after recent heavy rainfall. Michigan production is expected to fall 31 percent from last year's crop to 35.0 thousand tons. Harvest has been slowed by heavy rainfall.

PRUNES AND PLUMS: California's prune production (dried basis) is forecast at 95.0 thousand tons (86.2 thousand metric tons), unchanged from the September 1 forecast but 32 percent less than the 1985 crop. Harvest was complete about two weeks ahead of normal. Fruit quality was excellent and sugar levels were the highest in recent years.

Production of prunes and plums in Idaho, Michigan, Oregon, and Washington is forecast at 46.5 thousand tons (42.2 thousand metric tons). This last forecast of the season is unchanged from the September 1 forecast but 8 percent below last year's crop. Ideal growing conditions--warm days, cool nights and timely rains--helped to size and color Michigan's crop. Harvest was virtually complete by the time the record rains hit in September. The Oregon crop was in good condition when harvest began in mid-September. Picking has been slowed by late September rains but only minor splitting and brown rot have been reported so far. Harvest is complete in Washington.

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PAPAYAS: Fresh papaya production from Hawaii is forecast at 3.20 million pounds (1450 metric tons) in October. A steady increase is anticipated over the next 3 months; 3.80 million pounds (1720 metric tons) in November, 5.30 million pounds (2400 metric tons) in December, and 6.20 million pounds (2810 metric tons) in January 1987.

Fresh papaya utilization in September is estimated at 3.15 million pounds (1430 metric tons), down 8 percent from August and 15 percent below September a year ago. Cumulative fresh production (January through September) is 8 percent lower than the same period last year. September's total crop area of 3970 acres (1610 hectares) is virtually unchanged from August, but is 12 percent above last year. Area harvested during September rose 2 percent from August to 2380 acres (960 hectares), which is 1 percent more than last year.

PECANS: U.S. pecan production is forecast at 216 million pounds (98.0 thousand metric tons) in-shell basis, up 3 percent from the September 1 forecast but 12 percent smaller than last year's crop.

Georgia production is expected to total 85.0 million pounds, unchanged from the September 1 forecast and 2 percent higher than the small 1985's crop. After the drought was broken in August, dry and record hot weather returned in September. Dryland nut size is expected to be smaller than normal. Shedding is still occurring in some groves. Expectations for the Alabama crop improved from the September 1 forecast. The current production forecast of 15.0 million pounds is 15 percent greater than September 1 but is 6 percent below last year's output. Harvest is just getting underway in Louisiana where production is set at 15.0 million pounds, the same as in 1985.

The Texas forecast, at 40.0 million pounds, remains unchanged from September 1 but is down 49 percent from year-earlier output. Considerable nut droppage has occurred from dry conditions and disease problems. Crop expectations increased 4.00 million pounds from the September 1 forecast in Oklahoma, where production is now expected to reach 16.0 million pounds, 60 percent greater than the 1985 crop. An early harvest is anticipated in New Mexico, where production is forecast at 24.0 million pounds.

FILBERTS: The forecast of production in Oregon and Washington, at 17.3 thousand tons (15.7 thousand metric tons), is the same as the mid-August forecast published August 25, 1986, but 30 percent below the record high production established last year. Above average rainfall during September has growers anxiously waiting to harvest. Nut drop is estimated to be 95 percent complete. Harvest has just begun and early October weather conditions have been favorable.

ORANGES: The first production forecast of U.S. all oranges for the 1986-87 season is 201 million boxes (7.72 million metric tons), 14 percent higher than last season and 27 percent above the 1984-85 season. The forecast for all Florida oranges is 129 million boxes, 8 percent more than last season's crop and 24 percent above 1984-85. Production of Florida early and mid-season varieties, at 72.0 million boxes, is 12 percent more than last season and 31 percent above the 1984-85 crop. Florida Valencia production is expected to total 57.0 million boxes, 4 percent higher than last season's crop and 17 percent above 1984-85 production.

California's 1986-87 all orange crop forecast, at 69.0 million boxes, is 26 percent higher than last season and 32 percent above the 1984-85 season. The Navel crop for California is expected to total 40.0 million boxes, 20 percent more than the 1985-86 crop and 53 percent above 1984-85. California's Valencia forecast, at 29.0 million boxes, is 35 percent higher than last season's crop and 11 percent more than the crop harvested in 1984-85. The Arizona all orange crop is expected to total 2.20 million boxes, 4 percent lower than last season and 10 percent below the 1984-85 crop. The Texas all orange crop is expected to total 850 thousand boxes, compared with 310 thousand boxes last season.

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The October 1 U.S. all orange production forecast has deviated from the final production by an average of 22.3 million boxes over the past 10 seasons, ranging from a low of 2.50 million boxes in 1977-78 to a high of 53.0 million boxes in the 1983-84 season. The large difference between the October 1, 1983 forecast and the final production for the 1983-84 season was the result of the late December 1983 freeze losses to the Florida and Texas citrus crops.

FLORIDA FROZEN CONCENTRATED JUICE YIELD: The 1986-87 yield projection of Frozen Concentrated Orange Juice is 1.44 gallons per box at 42.0 degrees Brix. This all orange yield computation is projected to the final amount reported by the Florida Citrus Processors Association at the end of the harvest season. The 1985-86 final season average yield was 1.37834 gallons per box. In 1984-85, the FCOJ final yield was 1.37582 gallons per box.

GRAPEFRUIT: Prospects for the 1986-87 season, excluding California's "Other Areas" grapefruit, indicate a crop of 58.0 million boxes (2.18 million metric tons), 9 percent more than last season and 14 percent above the 1984-85 utilized crop. The California "Other Areas" grapefruit production, which will be forecast as of April 1, 1987, accounted for 4.80 million boxes harvested last season and 5.00 million boxes in 1984-85.

Florida's grapefruit production is forecast at 50.0 million boxes, up 7 percent from last season and 14 percent above 1984-35 utilized production. The Florida white seedless grapefruit forecast is 27.0 million boxes, up 5 percent from last season; colored seedless is 19.5 million boxes, up 8 percent from last season; and seedy grapefruit is 3.50 million boxes, 11 percent more than 1985-86. The Texas crop is forecast at 2.10 million boxes, compared with 220 thousand boxes harvested last season.

The Arizona crop forecast is 2.10 million boxes, down 12 percent from last season and 30 percent below 1984-85 utilized production.

LEMONS: The Arizona-California lemon crop (tree crop available for harvest) totals 24.7 million boxes (852 thousand metric tons), 35 percent more than the crop harvested during the 1985-86 season but 4 percent below the 1984-85 utilized production. In California, the crop is expected to total 19.0 million boxes, 26 percent higher than last season but 4 percent below 1984-85.

In Arizona, a tree crop of 5.70 million boxes is expected, 75 percent higher than the crop utilized last season but 5 percent lower than utilized production in 1984-85.

TANGELOS: The Florida tangelo crop, excluding K-early citrus, is forecast at 4.00 million boxes (163 thousand metric tons), 36 percent above last season and 11 percent more than 1984-85.

TANGERINES: The U.S. tangerine crop is forecast at 4.25 million boxes (158 thousand metric tons), 16 percent more than last season and 24 percent above the 1984-85 utilized production. The Florida forecast, at 1.50 million boxes, is for that portion of the crop expected to reach a size of 210 fruit per 4/5 bushel carton by December 1 for the Dancy variety, and by November 1 for Robinson. (An estimate of utilized crop will be shown in the February Crop Production report). The Dancy tangerine forecast is 1.00 million boxes while the forecast for Robinson tangerines is 500 thousand boxes. The California tangerine forecast, at 1.90 million boxes, is 6 percent above last season and 13 percent above 1984-85. The Arizona tangerine crop is forecast at 850 thousand boxes, up 21 percent from both the 1985-86 and the 1984-85 crop.

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TEMPLES: Florida's temple forecast is 3.60 million boxes (147 thousand metric tons), up 22 percent from last season and 11 percent higher than 1984-85.

FLORIDA CITRUS: Citrus groves were in very good condition through most of September. Soil moisture has been adequate in all areas due to good summer rains. Most of the summer's new foliage has now hardened up and turned darker green. New crop fruit is progressing very well with good fruit sizes. The first grapefruit of the 1986-87 season was picked around September 10 and shipped the 13th. During the last two weeks of September, fresh fruit packing houses shipped the first Navels, Hamlins, K-early citrus, and Robinson tangerines for the new season. Caretakers have been very active cutting down cover crops that have grown abundantly during the summer months. Some growers are applying fall fertilizers and sprays.

TEXAS CITRUS: Texas citrus production continues to increase from post-freeze levels. Fruit sets are varied; however, most groves have a good set. Grapefruit sizes are above normal with oranges sizing about average. Bird damage has been high in many groves. Harvest of early oranges was underway on a small scale by late September, with grapefruit harvest to follow in October.

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